

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-0143276
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Pacific Transmission Supply Company		7. UNIT AGREEMENT NAME Sand Ridge II Unit
3. ADDRESS OF OPERATOR P.O. Box 3093, Casper, Wyoming 82602		8. FARM OR LEASE NAME Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980' from south line, 1981' from west line, At proposed prod. zone NE 1/4 SW 1/4, Section 17, T8S, R23E S.L.B. & M., Uintah County, Utah		9. WELL NO. 23-17
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 37 miles southeast of Vernal, Utah		10. FIELD AND POOL, OR WILDCAT Wildcat
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 660'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 17, T8S, R23E
16. NO. OF ACRES IN LEASE 1080		12. COUNTY OR PARISH Uintah
17. NO. OF ACRES ASSIGNED TO THIS WELL 160		13. STATE Utah
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 8800'		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5372' Ungr. Gr., 5387' KB (est.)		22. APPROX. DATE WORK WILL START* Upon receipt of approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48.0	200	250 sxs., Circ. to surface
12-1/4"	9-5/8"	36.0	2500 (+)	Approx. 275 sxs.
7-7/8"	4-1/2"	11.6	8800	As necessary to protect all productive intervals.

Operator proposes to drill well to 8800' or 500' into Mesaverde formation. 9-5/8" 36.0#, K-55 intermediate casing will be run and cemented to protect the oil shale section of the Green River formation. All water flows and significant hydrocarbon shows will be evaluated and reported. The well will be operated according to the attached well program and all applicable regulations. Adequate BOP equipment will be maintained at all times as indicated in the attached Pressure Containment Data Specifications. If commercial production is encountered, 4-1/2", 11.6#, N-80 production casing will be run and cemented to adequately protect all potentially productive intervals. No abnormal pressures or temperatures or other potential hazards are anticipated.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

R. J. Pith

TITLE Petroleum Engineer

Sept. 12, 1979

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

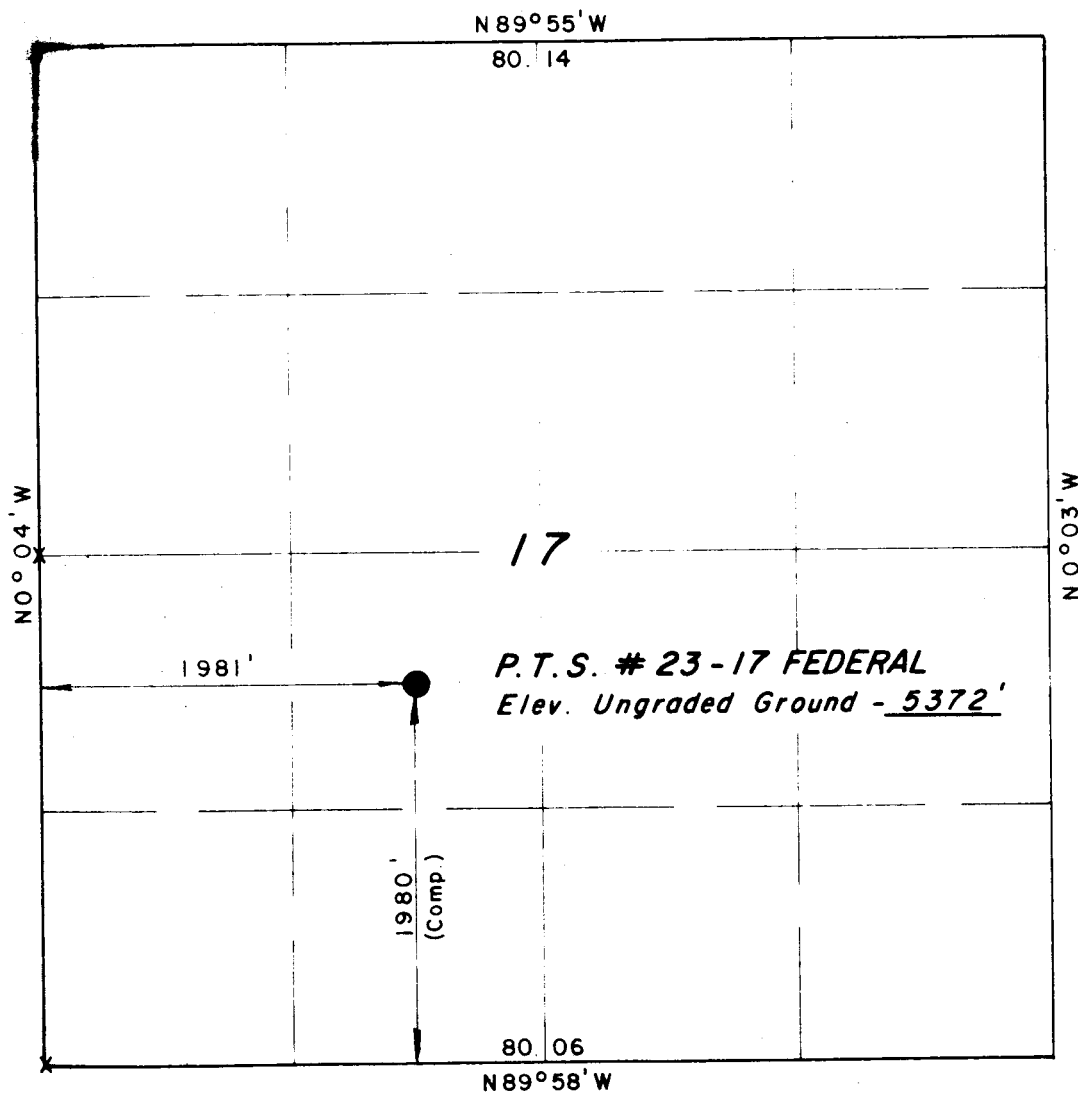
3-USGS, SLC,UT; 1-Div. of OG&M, SLC,UT; 1-JLWroble; 1-ERHenry; 1-EEMulholland

*See Instructions On Reverse Side

T8S , R23E , S.L.B. & M.

PROJECT
PACIFIC TRANSMISSION SUPPLY COMPANY

Well location, **P.T.S. #23-17FED.**, located
as shown in the NE 1/4 SW 1/4 Section
17, T8S, R23E, S.L.B. & M. Uintah
County, Utah.



CERTIFICATE

I, James H. Hunsaker, CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
THE RECORD OF A SURVEY MADE BY ME IN THE FIELD
AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

James H. Hunsaker

REGISTERED LAND SURVEYOR
REGISTRATION NO. 3154
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	9 / 10 / 79
PARTY	SS SH RP	REFERENCES	GLO Plat
WEATHER	Clear & Hot	FILE	PACIFIC TRANSMISSION

X = Section Corners Located

PACIFIC TRANSMISSION SUPPLY

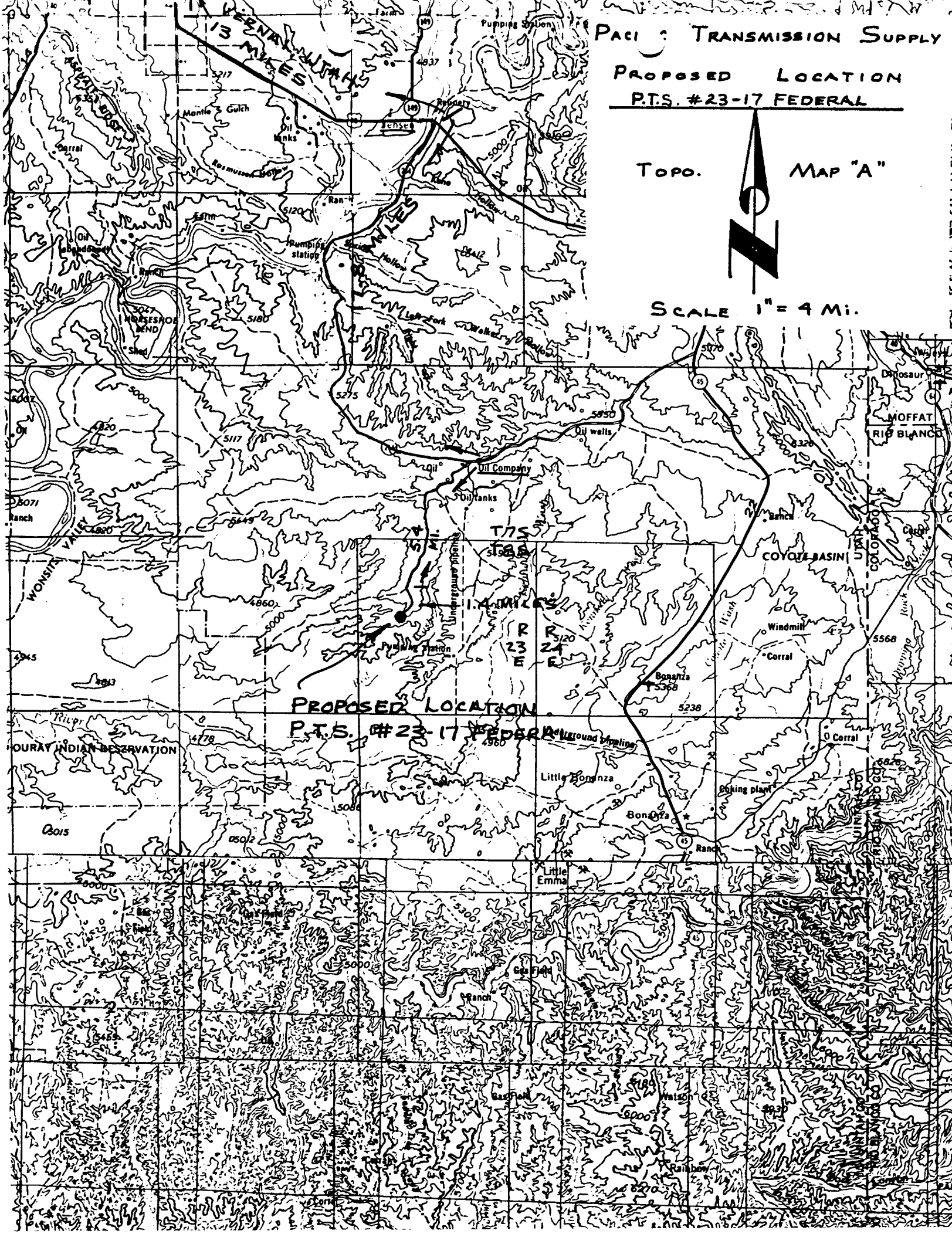
PROPOSED LOCATION
P.T.S. #23-17 FEDERAL

TOPO.

MAP "A"



SCALE 1" = 4 MI.



PACIFIC TRANSMISSION SUPPLY COMPANY

13 Point Surface Use Plan

For

Well Location

P.T.S. #23-17 Federal

Located In

Section 17, T8S, R23E, S.L.B. & M.

Uintah County, Utah

PACIFIC TRANSMISSION SUPPLY COMPANY
P.T.S. #23-17 Federal
Section 17, T8S, R23E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A". To reach Pacific Transmission Supply Company well location P.T.S. #23-17 Federal, located in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 17, T8S, R23E, S.L.B. & M. from Vernal, Utah.

Proceed Easterly out of Vernal, Utah, on U.S. Highway 40, \pm 13.0 miles to its junction with Utah State Highway 264 to the South; proceed Southerly along Utah State Highway 264, \pm 17.8 miles to Red Wash, Utah; proceed Southwesterly out of Red Wash on an existing improved dirt road \pm 2.0 miles (see Topographic Map "B") to its junction with an improved dirt road, known as the Glen Bench Road, which proceeds to the South; proceed Southerly on this road \pm 3.4 miles to its junction with an unimproved dirt road to the Southeast; proceed Southeasterly on this road \pm 1.4 miles to the proposed location site.

The above mentioned highways are bituminous surfaced roads to Red Wash, Utah, at which point the existing roads are built from native materials accumulated during construction. These materials consist of light brown sandy clay material with some fine gravels.

There is no anticipated construction on any portion of the above described roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling phase, completion phase, and the production phase of this well at such time that production is established.

The roads that are required for access during the drilling phase, completion phase, and production phase of this well, will be maintained at the standards required by the B.L.M. or other controlling agencies.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

There will be no planned access road required for this location as the existing road described in Item #1 goes to the location site and will facilitate the traffic necessary for the drilling of this well.

3. LOCATION OF EXISTING WELLS

There are no known water wells, disposal wells, producing wells, drilling wells, shut in wells, injection wells, monitoring or observation wells for other resources within a one mile radius of this location site. There is however one abandoned well within a one mile radius.

PACIFIC TRANSMISSION SUPPLY COMPANY
P.T.S. #23-17 Federal
Section 17, T8S, R23E, S.L.B. & M.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are no Pacific Transmission Supply Company tank batteries, production facilities, oil gathering lines, gas gathering lines, injection lines, or disposal lines within a one mile radius of this location site.

In the event that production is established, all petroleum production facilities will be contained within the proposed location site (see Location Layout Sheet). Plans for a flowline from this location to existing lines in the area will be submitted upon completion of the well. Plans will be submitted to the appropriate agencies upon completion of survey. The areas used for production facilities will be built using bulldozers, graders, and workman crews to lay lines, and set up equipment.

The rehabilitation of the disturbed area that is not required for the production of this well, will meet the requirements of Item #7 and #10 and these requirements and standards will be adhered to.

5. LOCATION OF AND TYPE OF WATER SUPPLY

Water to be used in the drilling of this well will be hauled by truck from the White River, at a point located in the NE $\frac{1}{4}$ of Section 17, T9S, R22E, S.L.B. & M. approximately 11.5 road miles to the Southwest of the proposed location site, using the Glen Bench Road.

In the event this is not a suitable source an alternate source will be made and all agencies involved will be notified.

There will be no water well drilled.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site shall be borrow materials accumulated during the construction of the location site. No additional road gravels or pit lining materials from other sources are anticipated at this time, but if they are required the appropriate actions will be taken to acquire them from private sources.

All surface disturbance is on B.L.M. lands.

7. METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be approximately 8' deep and at least one half of this depth shall be below the surface of the existing ground.

PACIFIC TRANSMISSION SUPPLY COMPANY
P.T.S. #23-17 Federal
Section 17, T8S, R23E, S.L.B. & M.

7. METHODS FOR HANDLING WASTE DISPOSAL - Continued

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals, produced fluids, etc.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

All waste materials will be gathered and hauled to the Vernal, Utah land fill.

A portable chemical toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen.

9. WELL SITE LAYOUT

See Location Layout Sheet.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area. Then the pits will be lined with a gel and any other type material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

PACIFIC TRANSMISSION SUPPLY COMPANY
P.T.S. #23-17 Federal
Section 17, T8S, R23E, S.L.B. & M.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See Location Layout Sheet and Item #9). When all drilling and production activities have been completed the location site will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during construction activities shall be re-stored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash pits shall be buried with a minimum of 5' of cover.

As mentioned in Item #7, the reserve pits will be completely fenced and wired and overhead flagging installed if there is oil in the pits, and then allowed to dry completely before covering.

Restoration activities shall begin within 90 days after completion of the well. Once completion activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. District Manager when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area - (See Topographic Map "A").

The area is a basin formed by the Blue Mountain Plateau and Green River to the North and the Roan Plateau and White River to the South.

The basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstones, conglomerates, and shale deposits are extremely common to the area.

The geologic structures of the area that are visible are of the Uintah Formation (Eocene Epoch) Tertiary Period in the upper elevations and the cobblestone and younger Alluvial deposits from the Quaternary Period.

PACIFIC TRANSMISSION SUPPLY COMPANY
P.T.S. #23-17 Federal
Section 17, T8S, R23E, S.L.B. & M.

11. OTHER INFORMATION - Continued

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoil in the area range from a light brownish-gray sandy clay (SM-SL) type soil poorly graded gravels to a clayey (OL) type soil.

The majority of the numerous washes and streams in the area are of a non-perennial nature flowing during the early spring run-off and extremely heavy rain storms of long duration which are extremely rare as the normal annual rainfall in the area is only 8".

The White River to the South of this location is the only perennial stream that is affected by this location site.

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid region we are located in. It consists of areas of sagebrush, rabbitbrush, some grasses and cacti as the primary flora. This is also true for the lower elevations.

The fauna of the area consists predominantly of the mule deer, pronghorn antelope, coyotes, rabbits and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domestic sheep and cattle.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The Topography of the Immediate Area - (See Topographic Map "B").

P.T.S. #23-17 Federal sits on a relatively flat area on top of a ridge above Red Wash, a non-perennial drainage location approximately 1.5 miles South of the proposed location site.

The majority of the drainages in the area around this location run in a Southerly direction into aforementioned Red Wash which drains to the South into the White River.

The terrain in the vicinity of the location slopes to the Northwest from a small ridge through the location site at approximately a 2% grade into a small canyon to the North.

All lands involved by the location are under B.L.M. jurisdiction.

PACIFIC TRANSMISSION SUPPLY COMPANY
P.T.S. #23-17 Federal
Section 17, T8S, R23E, S.L.B. & M.

11. OTHER INFORMATION - Continued

The vegetation in the immediate area surrounding the location site is predominately sagebrush and grasses. There are no occupied dwellings or other facilities of this nature in the general area. There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site.

12. LEASEE'S OR OPERATOR'S REPRESENTATIVE

R. J. Firth
85 South 200 East
Vernal, Utah 84078

Telephone: 801-789-4573

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by the Pacific Transmission Supply Company, and its contractors and subcontractors in conformity with this plan and terms and conditions under which it is approved.

Date

9/12/79


R. J. Firth

WELL PROGRAM

WELL: PTS 23-17 Federal

LOCATION: 1980' from the south line and 1981' from the west line of Section 17, T8S, R23E, Uintah County, Utah.

CONTRACTOR: To be selected.

OBJECTIVE: A depth of 8800' should be sufficient to penetrate 500' into the Mesaverde.

<u>FORMATION TOPS:</u>	<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
	Green River	2381'	+3006
	Parachute Creek	3037'	+2350
	H-Marker	4557'	+ 830
	Wasatch	5983'	- 596
	Mesaverde	8303'	-2916
	Total Depth	8800'	

SAMPLES: Collect cutting samples at ten (10) foot intervals from under surface to total depth. Samples will be collected by drilling crews for the wellsite geologist. Two (2) sets of samples will be collected in the oil shale section of the Green River formation with one (1) set to be sent to the Bureau of Mines, Laramie, Wyoming. Frequency of sample collection may be changed at the wellsite geologist's discretion.

ELECTRICAL

SURVEYS: The following Logging Program will be employed.

150'-2500' 12-1/4" hole to 2500'. Run Dual Induction Laterolog, Borehole Compensated Sonic and Compensated Formation Density Logs.

2500'-8800' 7-7/8" hole below 9-5/8" casing. Run Dual Laterolog, Borehole Compensated Sonic and Compensated Formation Density Logs.

MUD LOGGER: A portable mud logging unit will be operated by the wellsite geologist from below surface casing to total depth.

TESTING

PROGRAM: All significant shows of oil and gas will be drillstem tested. Use floor manifold with positive choke assembly, hydraulic jars, safety joint, reverse circulating sub, sampler assembly and dual packers. Collect samples of all fluids recovered for further analysis.

**DRILLING FLUID
PROGRAM:**

<u>Interval (Feet)</u>	<u>Mud Weight (lbs/gal)</u>	<u>Viscosity (secs/qt)</u>	<u>Fluid Loss (ml/30 min)</u>
0 - 200	-----AIR-----		
Set 13-3/8" casing at 200'.			
200 - 2500	8.4 - 8.9	26 - 29	No Control
Drill out surface casing with water, increasing the drilling fluid salinity to about 40,000 ppm NaCl. The salty water will improve hole stability by minimizing swelling shale tendencies and will allow cuttings to settle out rapidly. Utilize available solids control equipment and circulate reserve pit if possible. Occasional sweeps of pre-hydrated bentonite may be necessary to insure adequate hole cleaning while drilling 12-1/4" hole.			
Set 9-5/8" intermediate casing at 2500'.			
2500 - 8000	8.6 - 8.9	27 - 30	No Control
Drill out of intermediate casing and continue drilling with 40,000 ppm salt water. Neglecting solids control when drilling with water can result in differential sticking in subnormally pressured, permeable zones. This is due to the thick wall cake which forms as a result of high fluid loss and relatively high solids content. Consequently, if the reserve pit cannot be included in the active system, precautions should be taken to prevent drilled solids from being re-circulated. The mud tanks should be dumped and cleaned frequently and all available solids control equipment should be used. Occasional sweeps of pre-hydrated bentonite, salt gel or asbestos fiber should be used as necessary to clean the hole if tight connections are experienced or excessive fill is encountered. A drilling detergent might be used to provide lubricity and minimize bit balling.			
8000 - TD	9.6 - 9.6	32 - 38	12cc's/less

As it becomes necessary, or at approximately 8000' mud up with salt gel, pre-hydrated gel, a viscosifier and caustic soda. Drilling fluid salinity can be adjusted as necessary to increase mud weight without adding additional solids to the system.

Some loss of circulation is anticipated in this well. To avoid fracturing weak formations, keep the mud weight, yield point and gels low as possible. Care should be taken to minimize swab and surge pressures by avoiding excessive pipe speed while tripping in and out of the hole.

Lost circulation should be handled with conventional types of lost circulation materials with fine mica recommended for minor losses. If severe losses are encountered, requiring the use of lost circulation material that will not pass through the shaker screen, consider using pill treatments instead of maintaining lost circulation material in the system continuously. Lost circulation which cannot readily be controlled by more conventional means may justify the use of cement plugs.

A small stream of water should be run continuously while drilling and mud tanks should be cleaned frequently to minimize the recirculation of drilled solids and allow the addition of fresh materials to the system. Water should be reclaimed from the reserve pit to conserve water and also reduce some chemical additions.

Continue to total depth with this mud system, increasing the viscosity as necessary to provide proper hole cleaning. Well site interpretation of hole conditions will help determine the fluid properties necessary to ensure satisfactory operations.

<u>CASING PROGRAM:</u>	<u>Size, Wt. & Grade</u>	<u>Setting Depth</u>	<u>Hole Size</u>	<u>Cement Requirements</u>
	13-3/8", 48.0#, H40	200'	17-1/2"	Approximately 250 sx. Class G w/3% Ca Cl.
	9-5/8", 36.0#, K55	2500 <u>±</u>	12-1/4"	Approximately 275 sx. to be verified after logs are run.
	4-1/2", 11.6#, N80	8800'	7-7/8"	Amount will be determined after logs are run. Use regulated fillup and Class G type cements.

PRESSURE CONTROL EQUIPMENT and SPECIFICATIONS:

Adequate BOP equipment will be maintained as indicated in the attached Pressure Control Specifications. In addition, the BOP equipment will be well-braced with hand controls extending clear of the drilling rig substructure. The accumulator equipment will provide closing pressure in excess of that required with sufficient volume to operate all components. All BOP equipment, auxiliary equipment, standpipe, valves, and rotary hose will be tested as per test schedule or to the rated pressure of the equipment at the time of installation. Modification of the pressure control equipment or testing procedure will be approved in writing on tour sheets by the wellsite representative.

DRILLING PROCEDURE

PTS #23-17

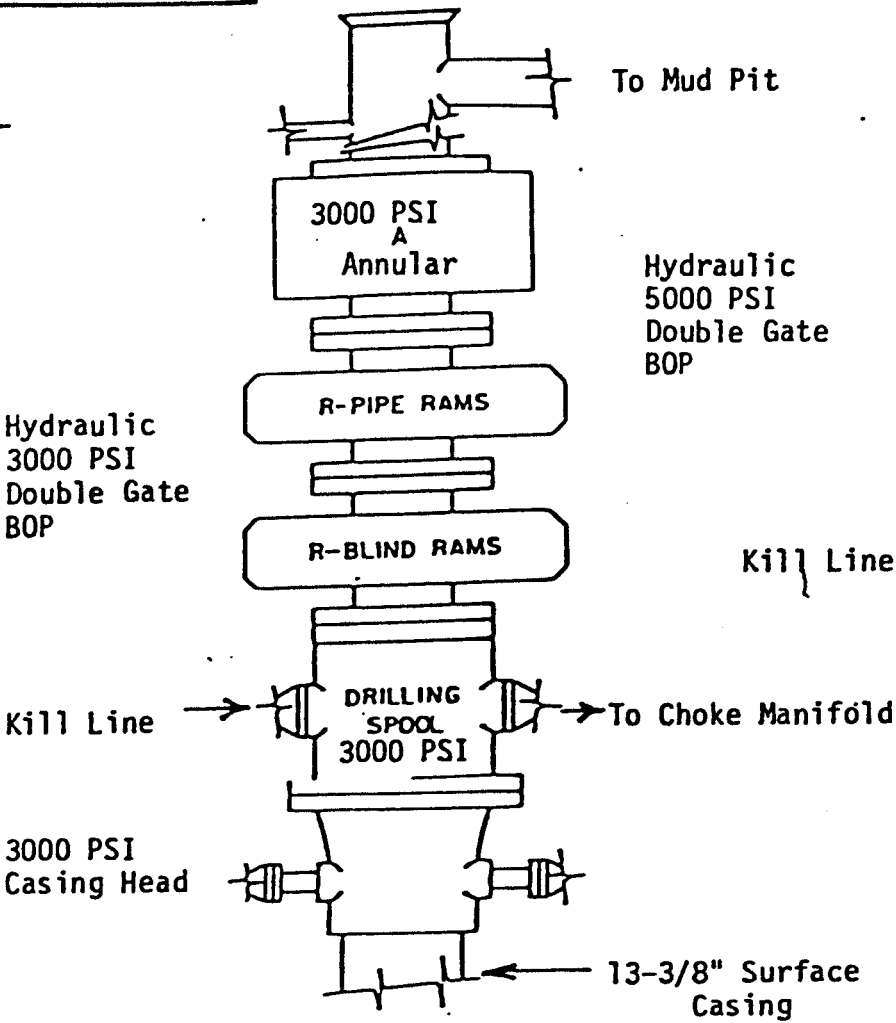
- 1) Move in air percussion rig and drill 17-1/2" hole to 200'. Set and cement 13-3/8", 48.0#, H-40 casing to surface with approximately 250 sacks cement.
- 2) Move in rotary drilling rig and equipment. Cut off 13-3/8" casing and install 3000# casing flange. Install BOP equipment per BOP and Pressure Containment Data. Pressure test BOP's, manifold and all valves to 2500# and annular preventer to 2000# prior to drilling casing shoe. Drill 12-1/4" hole to 2500' (+). Conduct electric logging and prepare hole for intermediate casing.
- 3) Set and cement 9-5/8", 36.0#, K-55 intermediate casing sufficiently to protect any water, oil, gas or other mineral-bearing formations. WOC.
- 4) Land casing and install intermediate spool. Install all BOP equipment and retest prior to drilling casing shoe.
- 5) Drill 7-7/8" hole to total depth. Perform drill-stem testing as warranted. Conduct electric logging and prepare hole for production casing.
- 6) Run 4-1/2", 11.6#, N-80 production casing and cement as necessary across potential zones. The length of the cement column will be determined after the logs have been evaluated.
- 7) Release rotary drilling rig and determine completion procedure.

Special Instructions:

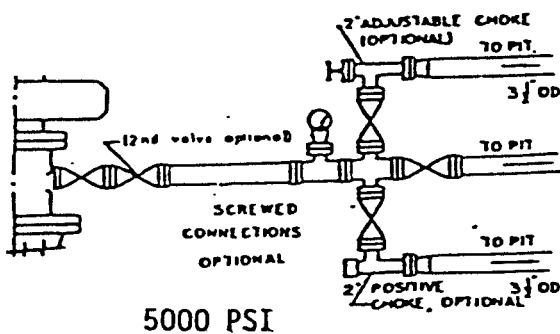
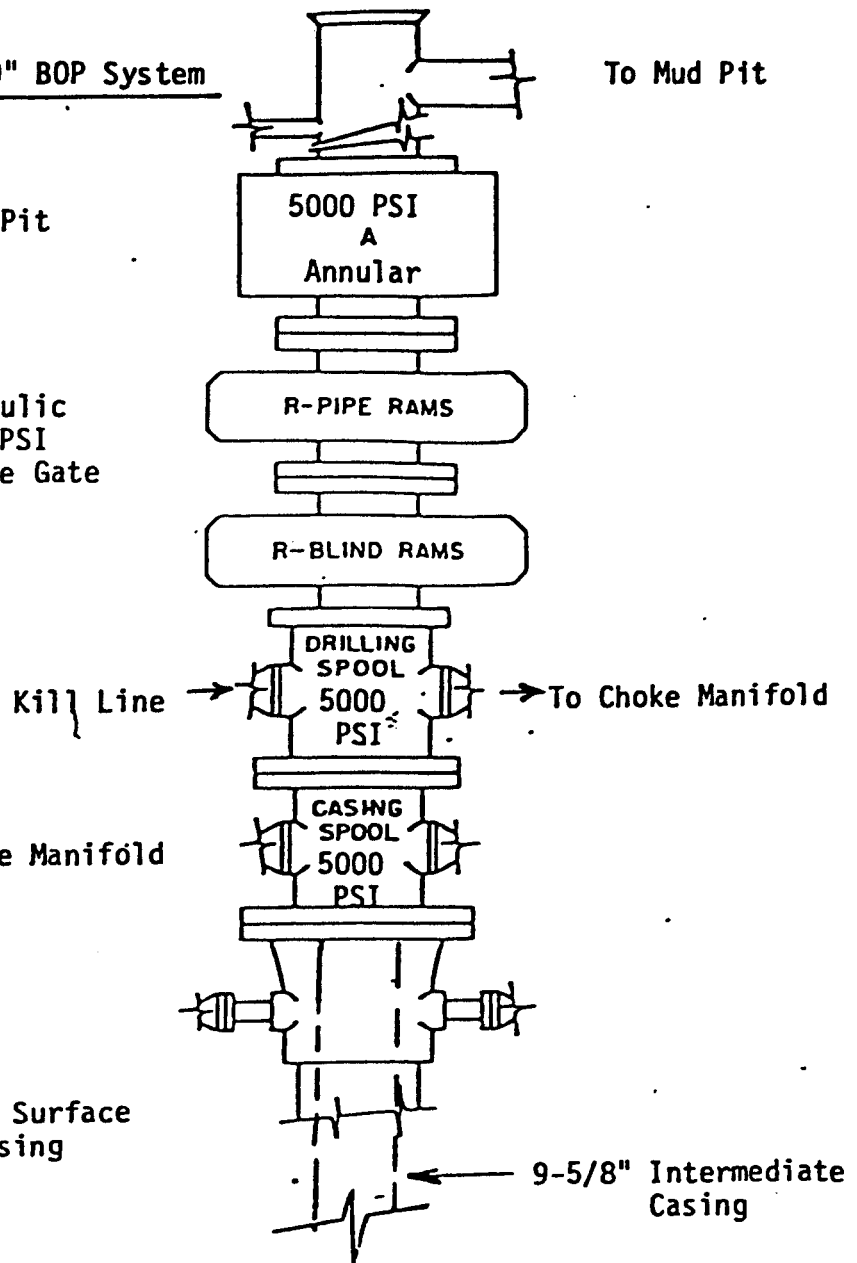
- 1) Run deviation surveys at regular intervals and in conjunction with bit trips.
- 2) Utilize a degasser and necessary solids control equipment.
- 3) Avoid surging hole on trips and fill hole properly when pulling pipe.
- 4) All crew members should be familiar with BOP operations. Functional test pipe rams daily and close blind rams each trip out of the hole.
- 5) Drilling crews should observe to detect either decrease or increase in fluid level.
- 6) A regular daily mud check should be made by mud engineer.
- 7) Drill stem testing will be determined by the well site geologist.

PRESSURE CONTROL SPECIFICATIONS

12" BOP System



10" BOP System



CHOKE-MANIFOLD DESIGN

TEST SCHEDULE

12" BOP System & 13-3/8" Casing to 2500 PSI.

10" BOP System & Choke Manifold to 5000 PSI.

9-5/8" Casing to 3500 PSI.

Auxiliary Equipment

Lower kelly cock, full opening stabbing valve, and mud monitoring system including pit level indicators and/or flow sensor with alarms.

Personnel & Mailing Information:

Dee E. Beardsley, Manager of Operations
Pacific Transmission Supply Company
P.O. Box 3093
Casper, Wyoming 82602
Telephone: Office (307) 265-1027
Home (307) 234-7666

E. E. Mulholland, Operations Engineer
Pacific Transmission Supply Company
P.O. Box 3093
Casper, Wyoming 82602
Telephone: Office (307) 265-1027
Home (307) 265-4191

R. J. Firth
Pacific Transmission Supply Company
85 South 200 East
Vernal, Utah 84078
Telephone: Office (801) 789-4573
Home (801) 789-5575

Notification of Shows, DST's and Unusual Problems:

Dee E. Beardsley	Office: 397-265-1027	Home: 307-234-7666
J. L. Wroble	303-571-1662	303-770-2667
E. E. Mulholland	307-365-1027	307-265-4191
R. J. Firth	801-789-4573	801-789-5575

Distribution of Information:

Pacific Transmission Supply Company
P.O. Box 3093
Casper, Wyoming 82602
Attn: Mr. D. E. Beardsley

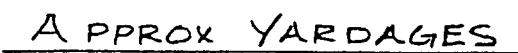
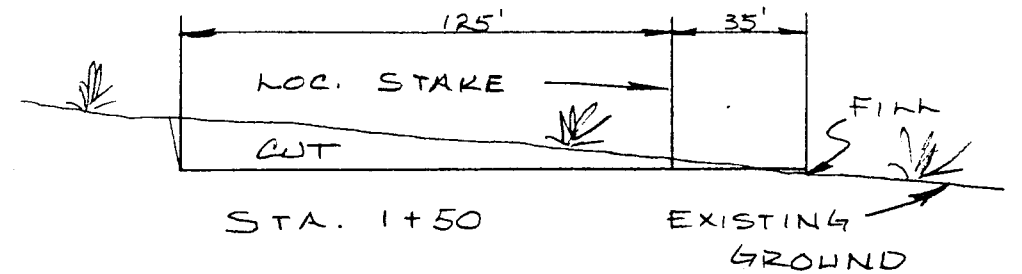
Pacific Transmission Supply Company
85 South 200 East
Vernal, Utah 84078
Attn: Mr. R. J. Firth

Pacific Transmission Supply Company
717 Seventeenth Street Suite 2300
Denver, Colorado 80202
Attn: Mr. J. L. Wroble

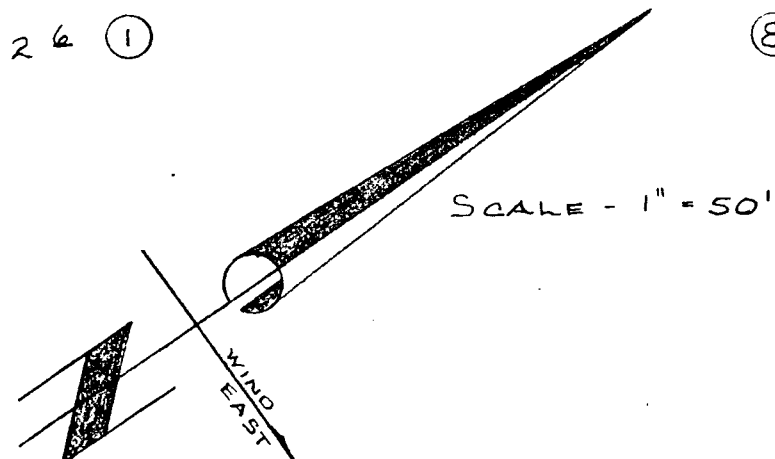
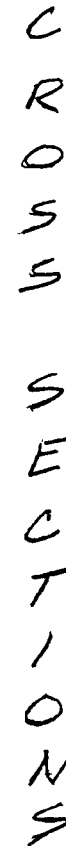
United States Geological Survey
Conservation Division
Branch of Oil and Gas
8440 Federal Bldg.
125 South State Street
Salt Lake City, Utah 84138
Attn: Mr. E. W. Guynn

State of Utah
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, Utah 84116
Attn: Chief Petroleum Engineer

P.T.S. # 23-17 FEDERAL



FILL - 38 CW. YDS.



LIGHT BROWN
SANDY CLAY

PROPOSED LOCATION

P.T.S. #23-17 FEDERAL

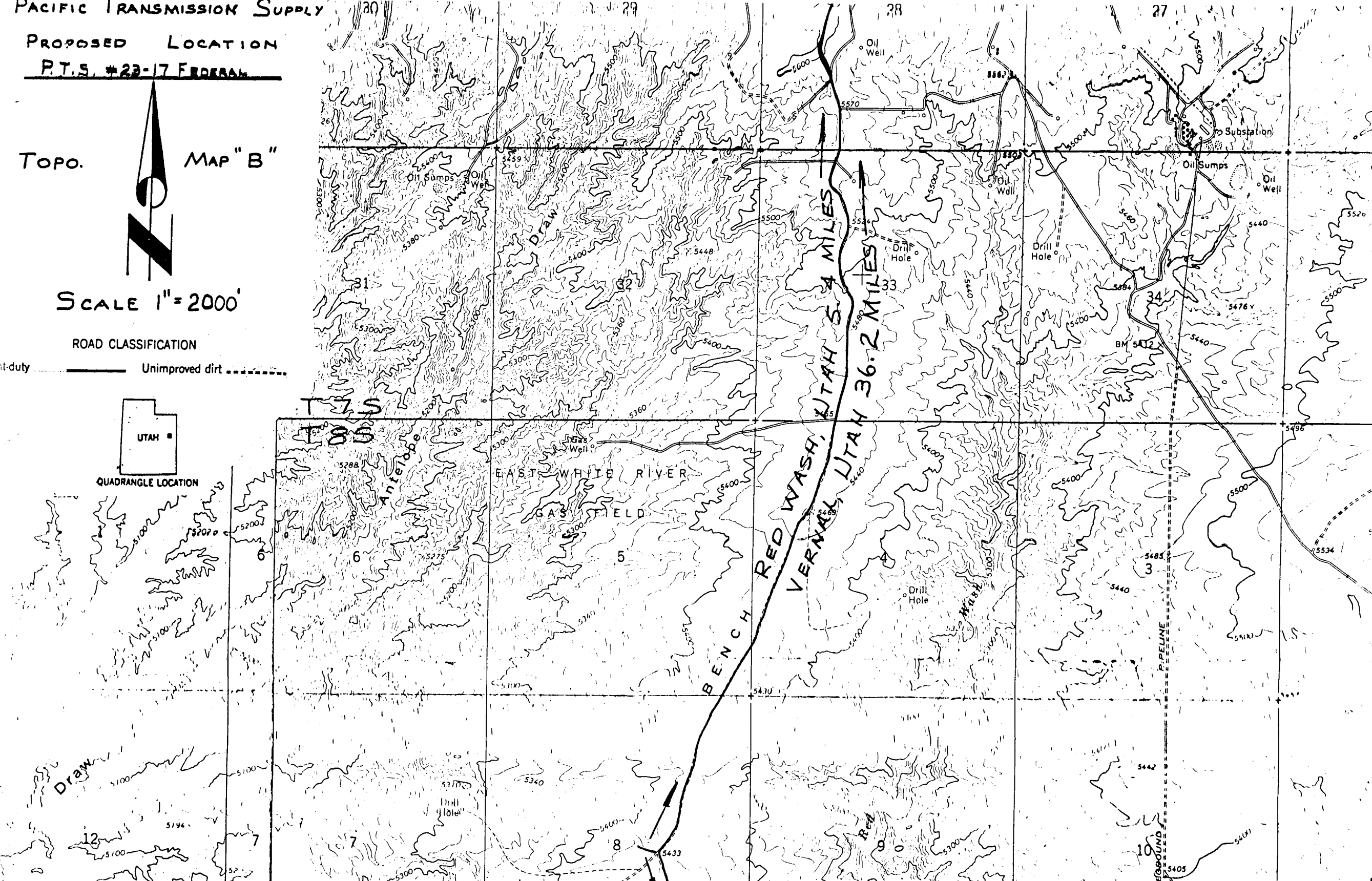
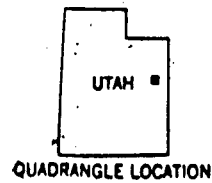
TOPO.

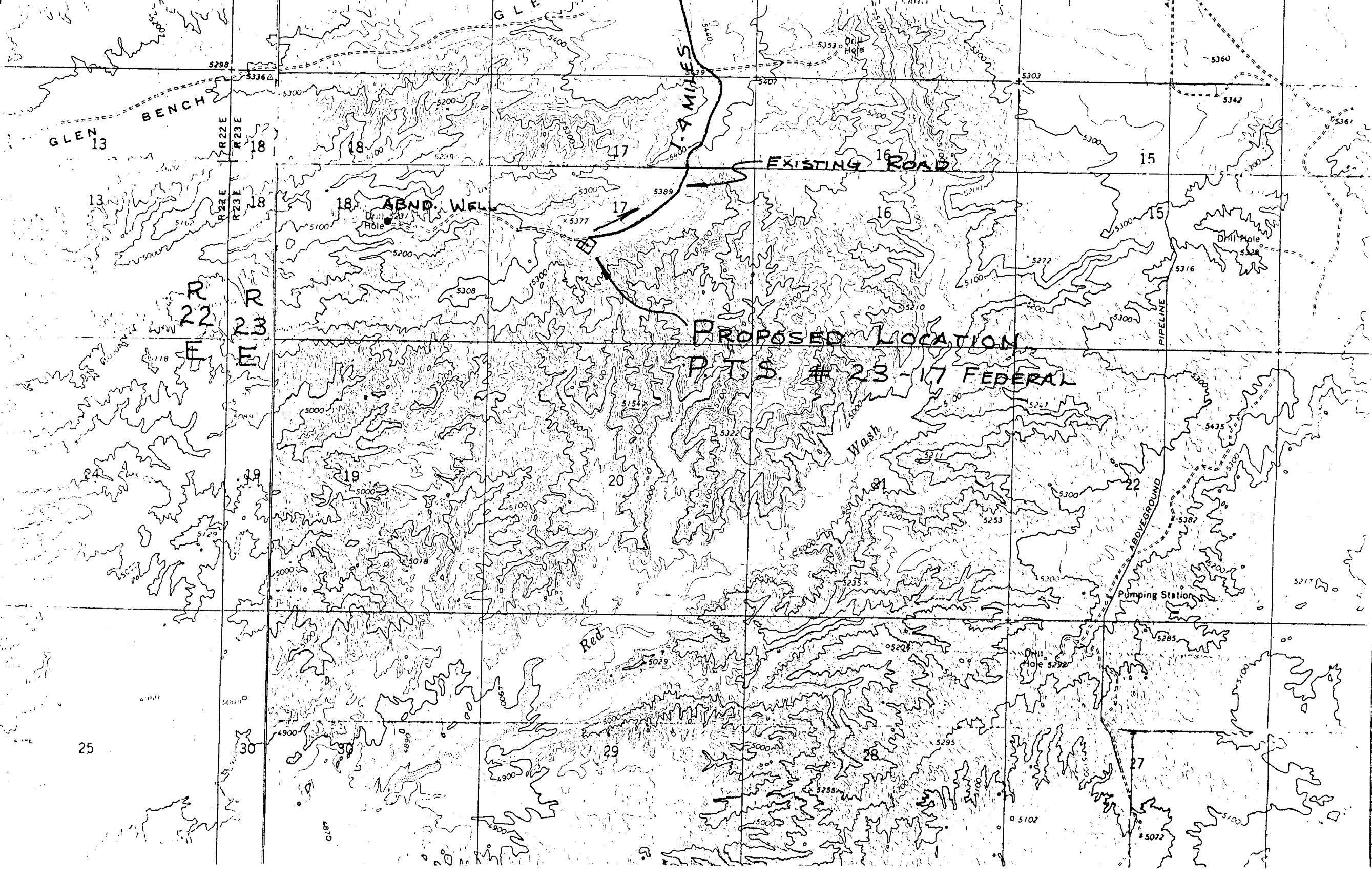
MAP "B"

SCALE 1" = 2000'

ROAD CLASSIFICATION

st-duty ——— Unimproved dirt - - - - -





U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

FROM: : DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-0143276

OPERATOR: Pacific Transmission Supply Co. WELL NO. 23-17

LOCATION: 1/4 NE 1/4 SW 1/4 sec. 17, T. 8S, R. 23E,
Uintah County, Utah

1. Stratigraphy: operator's predicted stratigraphy is Reasonable

SURFACE	Uintah
2381'	Green River
3037'	Parachute Creek
4557'	H-marker
5983'	Wasatch
8303'	Mesa Verde

2. Fresh Water:

probable within sands of the Uintah Fm.

3. Leasable Minerals:

Oil shale in Mahogany zone of the Parachute Creek member of the Green River.

Gilsonite in random vertical veins

4. Additional Logs Needed:

Run APD logs throughout the Green River Fm. to identify and protect oil shale zones.

5. Potential Geologic Hazards:

~~NO~~ ~~AT~~ possible lost circulation — mud is planned to be kept at as low of a weight as safely possible.

6. References and Remarks:

USGS Files in SLC.

Signature: Joseph Incandente Date: 10-6-79

Oil and Gas Drilling

EA #583-79

United States Department of the Interior
Geological Survey
2000 Administration Bldg. -
1745 West 1700 South
Salt Lake City, Utah 84138

Usual Environmental Analysis

Lease No.: U-0143276

Operator: Pacific Transmission Supply

Well No.: 23-17

Location: 1980' FSL & 2031' FWL

Sec.: 17

T.: 8S R.: 23E

County: Uintah

State: Utah

Field: Wildcat

Status: Surface Ownership: Public

Minerals: Federal

Joint Field Inspection Date: October 2, 1979

Participants and Organizations:

Greg Darlington

USGS - Vernal, Utah

Ron Rogers

BLM - Vernal, Utah

Ron J. Firth

Pacific Transmission Supply

Larry Johnson

Pacific Transmission Supply

Red Case

Ross Construction

Related Environmental Analyses and References:

(1) Unit Resource Analysis, Bonanza Planning Unit, BLM, Vernal, Unit

Analysis Prepared by: Greg Darlington
Environmental Scientist
Vernal, Utah

Reviewed by: George Diwachak
Environmental Scientist
Salt Lake City, Utah

Date: October 3, 1979

Noted - G. Diwachak

Proposed Action:

On September 14, 1979, Pacific Transmission Supply Company filed an Application for Permit to Drill the No. 23-17 exploratory well, a 8800 foot and gas test of the Green River, Wasatch and Mesa Verde Formations, located at an elevation of 5372 ft. in the NW/4 SW/4 Section 17, T8S, R23E on Federal mineral lands and public surface, lease No.U-0143276. As an objection was raised to the wellsite it was moved to 1980' FSL & 2031' FWL. This did not change the 1/4 1/4 coordinates. There was no objection raised to the access road.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout Preventor would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface Plan are on file in the U.S.G.S. District Office in Salt Lake City, Utah and the U.S.G.S. Northern Rocky Mountain Area Office in Casper, Wyoming. The 13-Point Surface Protection Plan is on file in the District Office in Salt Lake City.

A working agreement has been reached with the BLM the controlling surface agency. Rehabilitation plans would be decided upon as well neared completion, the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 160. wide x 300 ft. long and reserve a pit 100 ft. x 150 ft. An existing road would be upgraded to 18 ft. wide by 1.4 miles long from a maintained road. This proposed 1.4 mile access road is a vegetated crowned road to an abandoned well in Section 18 of T8S, R23E. The operator proposes to construct production facilities on disturbed area of the proposed drill pad. If production is established, plans for a gas flow line would be submitted to the appropriate agencies for approval. The anticipated starting date is upon approval and duration of drilling activities would be about 30 days.

Oil shale samplings will be made of the cuttings in the oil shale section of the Green River Formation with two sets of samples to be sent to the Bureau of Mines, Laramie, Wyoming.

Location and Natural Setting:

The proposed drillsite is approximately 37 miles southeast of Vernal, Utah. A fair road runs to within 1.4 miles of the location. This well is a wildcat well.

Topography:

The location is on a relatively flat ridge top surrounded by valleys to the west, north and south.

Geology:

The surface geology is Uinta formations.

The soil is a sandy clay with well mixed shale and sandstone gravel.

No geologic hazards are known near the drillsite.

Seismic risk for the area is minor. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs would be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist (and is possible in the sandstone units of the Mesa Verde). Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formations to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep in to the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U. S. Geological Survey, Salt Lake City, Utah.

The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey Engineers and determined to be adequate.

Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a clay soil. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community.

Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access road per the recommendations of the Bureau of Land Management.

Approximately 1.5 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

In addition, existing vegetation on the existing road would be removed wherever blading for upgrading was done. This road is in quite good shape aside from considerable vegetation growing on it.

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling-operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated.

Precipitation:

Annual rain fall should range from about 8" to 11" at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 8".

Winds are medium and gusty, occurring predominately from west to east. Air mass inversions are rare. The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

Surface Water Hydrology:

The drainage is non-perennial into the White River. The White River is a tributary of the Green River.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface water systems. The potentials for pollution would be present from leaks and spills. The operator is required to report and clean-up all spills or leaks.

Ground Water Hydrology:

Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination and comingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basic information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B. The depths of fresh water formations are listed in the 10-Point Subsurface Protection Plan. The pits would be unlined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

Vegetation:

Sagebrush, cactus, shad scale and native grasses vegetate the site.

Other plants in the area are of the salt-desert-shrub types.

Proposed action would remove about 1.5 acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations.

Wildlife:

The fauna of the area consists predominately of mule deer, coyotes, rabbits, foxes, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

An animal and plant inventory has been made by the BLM. No endangered plants or animals are known to inhabit the project area.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations, activity would cease until the extent, the scientific importance, and the method of mitigation the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings or other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and is judged to be minor. All permanent facilities placed on the location would be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operations may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to pre-drilling levels.

The site is not visible from any major roads. After drilling operations, completion equipment would be visible to passersby of the area but would not present a major intrusion.

The economic effect of one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Uintah County.

But should this well discover a significant new hydrocarbon source, local, state and possibly national economics might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and to USGS's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

There are no national, state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

The proposed location is within the Bonanza Planning Unit. This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives use recommendations. The E.A.R. is on file in the agency's State offices and is incorporated herein by reference.

Waste Disposal:

The mud and reserve pits would contain all fluids used during the drilling operations. A trash cage would be utilized for any solid wastes generated at the site and would be suitable removed at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Alternative to the Proposed Action:

1). Not approving the proposed permit -- the oil and gas lease grants the lessee exclusive right to drill for, mine, extract, remove and dispose of all oil and gas deposits.

Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under U.S.G.S. and other

controlling agencies supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

2). Minor relocation of the wellsite and access road or any special, restrictive stipulations or modifications to the proposed program would reduce the environmental impact. There are no severe vegetation, animal or archaeological-historical-cultural conflicts at the site. Since a minor impact on the environment would be expected, the alternative of moving the location is recommended. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

3). Drilling should be allowed provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator.

- a.) Suitable archaeological clearances are received.
- b.) The topsoil stockpile will be shifted to the northeast side of the pad. (Corner 2 is very near the ledge at the south edge of the ridge on which this location is situated.)
- c.) The wellsite will be moved 50 feet east to avoid situating the pits in a small wash near a steep hillside where the road to an abandoned well continues past the pad.
- d.) The last 1.4 miles of the access road will require some upgrading and blading. The access road will be maintained by the operator in a manner suitable to the BLM.

Adverse Environmental Effects Which Cannot Be Avoided:

Surface disturbance and removal of vegetation from approximately 1.5 acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, gas leaks, and spills of oil and water would exist. During the construction and

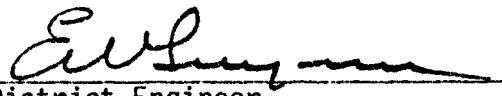
drilling phases of the project, noise levels would increase. Potential for sub-surface damage to fresh water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable commitment of resources would be made. Erosion from the site would eventually be carried as sediment in the White River. The potential for pollution to the White River would exist through leaks and spills.

Determination:

This requested action ~~does~~ does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, 102 (2) (C).

Date

10/22/79


District Engineer
U. S. Geological Survey
Conservation Division
Oil and Gas Operations
Salt Lake City District

(75-4573)

**** FILE NOTATIONS ****

DATE: Sept. 17, 1979

Operator: Pacific Transmission Supply Co.

Well # San Diego Federal 23-17

Location: Sec. 17 T. 8S R. 23E County: Wintph

File Prepared: ☐

Entered on N.I.D.: ☒

Card Indexed: ☒

Completion Sheet: ☒

☒ API Number 43-047-30623

CHECKED BY:

Geological Engineer: _____

Petroleum Engineer: _____

Director: _____

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception/company owns or controls acreage
within a 660' radius of proposed site ☐

Lease Designation 3rd Unit

Plotted on Map ☒

Approval Letter Written ☒

ltm

*Unit
approval*

September 24, 1979

Pacific Transmission Supply Company
P.O. Box 3093
Casper, Wyoming 82602

RE: Well No. Federal 23-17
Sec. 17, T. 8S, R. 23E.,
Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

FRANK M. HAMNER
Chief Petroleum Engineer
Office: 533-5771
Home: 531-7827

MICHAEL T. MINDER
Geological Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The RRI Number assigned to this well is 43-047-30623.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Frank M. Hammer
Chief Petroleum Engineer

/b:m

cc: USGS

DUPLICATE

SUBMIT DUPLICATE*

Form approved.
Budget Bureau No. 42-R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. U-0143276
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Pacific Transmission Supply Company			7. UNIT AGREEMENT NAME Sand Ridge II Unit
3. ADDRESS OF OPERATOR P.O. Box 3093, Casper, Wyoming 82602			8. FARM OR LEASE NAME Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980' from south line, 1981' from west line, At proposed prod. zone NE 1/4 SW 1/4, Section 17, T8S, R23E S.L.B. & M., Uintah County, Utah			9. WELL NO. 23-17
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 37 miles southeast of Vernal, Utah			10. FIELD AND POOL, OR WILDCAT Wildcat
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 660'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 17, T8S, R23E
16. NO. OF ACRES IN LEASE 1080			12. COUNTY OR PARISH Uintah
17. NO. OF ACRES ASSIGNED TO THIS WELL 160			13. STATE Utah
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 8800'			20. ROTARY OR CABLE TOOL Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5372' Ungr. Gr., 5387' KB (est.)			22. APPROX. DATE WORK WILL START* Upon receipt of approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48.0	200	250 sxs., Circ. to surface
12-1/4"	9-5/8"	36.0	2500 (±)	Approx. 275 sxs. *
7-7/8"	4-1/2"	11.6	8800	As necessary to protect all productive intervals

* Cmt 9 5/8 CSG to sur or 50' into 13 3/8 CSG. (Oil shale strip)

Operator proposes to drill well to 8800' or 500' into Mesaverde formation. 9-5/8" 36.0#, K-55 intermediate casing will be run and cemented to protect the oil shale section of the Green River formation. All water flows and significant hydrocarbon shows will be evaluated and reported. The well will be operated according to the attached well program and all applicable regulations. Adequate BOP equipment will be maintained at all times as indicated in the attached Pressure Containment Data Specifications. If commercial production is encountered, 4-1/2" 11.6#, N-80 production casing will be run and cemented to adequately protect all potentially productive intervals. No abnormal pressures or temperatures or other potential hazards are anticipated.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED R. A. Pinth TITLE Petroleum Engineer DATE Sept. 12, 1979
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY (Orig. Sgd.) E. W. GUYNN TITLE DISTRICT ENGINEER DATE NOV 20 1979
CONDITIONS OF APPROVAL, IF ANY:

3-USGS, SLC,UT; 1-Div. of OG&M, SLC,UT; 1-JLWroble; 1-ERHenry; 1-EEMulholland

NOTICE OF APPROVAL

*See Instructions On REVISIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

NAME OF COMPANY: Pacific Transmission Supply Company

WELL NAME: Federal #23-17 (Sand Ridge)

SECTION 17 NE SW TOWNSHIP 8S RANGE 23E COUNTY Uintah

DRILLING CONTRACTOR _____

RIG # _____

SPODDED: DATE 12/27/79

TIME 12:00 pm

HOW cable tools

DRILLING WILL COMMENCE ASAP

REPORTED BY Ron Firth

TELEPHONE # 789-4573

DATE December 28, 1979

SIGNED M. J. Minder

cc: USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other ☐
2. NAME OF OPERATOR
Pacific Transmission Supply Company
3. ADDRESS OF OPERATOR
P.O. Box 3093, Casper, WY 82602
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1980' FSL, 2031' FWL, NE 1/4 SW 1/4
AT TOP PROD. INTERVAL: Section 17, T8S, R23E
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

(other) Spudding Operations

SUBSEQUENT REPORT OF:

- ☐
☐
☐
☐
☐
☐
☐
☐

X

5. LEASE
U-0143276

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Sand Ridge II Unit

8. FARM OR LEASE NAME
Federal

9. WELL NO.
23-17

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 17, T8S, R23E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5387' KDB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spudded 12-1/4" hole on December 27, 1979. Spudding Operations reported to U.S.G.S., Salt Lake City on December 27, 1979. Drilled 12-1/4" hole to 200'. Reamed 12-1/4" hole to 17-1/2". Ran 6 jts. 13-3/8", 48.0#, H-40 surface casing to 206' KB and cemented with 250 sacks Class G cement with 2% calcium chloride. Cement circulated to surface. Job completed January 10, 1980. Waiting on rotary drilling rig availability.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED _____ TITLE Petroleum Engineer DATE January 24, 1980

R. J. Firth

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

JAN 28 1980

UNIT STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLIC
(Other instructions on
verse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-0143276
2. NAME OF OPERATOR Pacific Transmission Supply Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 3093, Casper, WY 82602		7. UNIT AGREEMENT NAME Sand Ridge II Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FSL, 2031' FWL, NE 1/4 SW 1/4, Section 17, T8S, R23E		8. FARM OR LEASE NAME Federal
14. PERMIT NO.		9. WELL NO. 23-17
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5387' KDB		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 17, T8S, R23E
		12. COUNTY OR PARISH Uintah
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Daily Progress Reports</u>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Daily Drilling Reports Attached. (1-11-80 thru' 3-31-80)

18. I hereby certify that the foregoing is true and correct

SIGNED R. J. Firth TITLE Petroleum Engineer DATE April 3, 1980

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

3-USGS, SLC,UT; 1-Div.of OG&M, SLC,UT; 1-Chorney Oil Co.; 1-Ralph E. Davis & Assoc.;
1-JLWroble; 1-ERHenry; 1-EEMulligan
See Instructions on Reverse Side

Pacific Transmission Supply Co.
Sand Ridge II Unit
#23-17 Federal
Daily Drilling Reports

- 3-24-80 TD 7750'. Drilling. WOB 40,000, 65 RPM, 6x8-1/2 pump, 120 SPM, 1500# pressure. Bit no. 10, 7-7/8" F2A, in at 6810', out at 7716', 906' in 86-1/2 hrs. Bit no. 11, 7-7/8" F3 in at 7716', out at 7719', 3' in 2-1/2 hrs. Bit no. 12RR, 7-7/8" F45 in at 7719', 31' in 3-1/2 hrs. Lost tips of 2 cones bit #10. Unable to drill past junk w/bit no. 11; junk jammed center of bit #11. Drilling w/bit #12 w/junk sub. Mud: wt. 9.1#/gal, vis. 32 secs.
- 3-25-80 TD 7892'. Drilling. WOB 35,000, 65 RPM, 6x8-1/2 pump, 120 SPM, 1300# pressure. Bit no. 12RR, 7-7/8" F45 in at 7719', out at 7802', 83' in 9-1/2 hrs. Bit no. 13, 7-7/8" F3 in at 7802', 90' in 9-3/4 hrs. Tripped for bit. Mud: wt. 9.0#/gal, vis. 30 secs.
- 3-26-80 TD 8060'. Drilling. WOB 35,000, 60 RPM, 6x8-1/2 pump, 120 SPM, 1300# pressure. Bit no. 13, 7-7/8" F3 in at 7802', 258' in 26 hours. Deviation: 1-3/4° at 8027'. Mud: wt. 9.0#/gal, vis. 31 secs.
- 3-27-80 TD 8290'. Drilling. WOB 35,000, 60 RPM, 6x8-1/2 pump, 120 SPM, 1300# pressure. Bit no 13, 7-7/8" F3 in at 7802', 488' in 49 hrs. Mud: wt. 9.1#/gal, vis. 31 secs.
- 3-28-80 TD 8475'. Tripping out for DST no. 2. WOB 35,000, 60 RPM, 6x8-1/2 pump, 120 SPM, 1300# pressure. Bit no. 13, 7-7/8" F3 in at 7802', out at 8475', 673' in 65-3/4 hrs.
DB: 8426'-43' (17') 450 units gas.
8445'-57' (12') 75 units gas.
Circulated and conditioned hole for testing. Mud: wt. 8.9#/gal, vis. 32 secs.
- 3-29-80 TD 8475'. Rig repairs - rotary clutch. Bit no. 14, 7-7/8" F3 in at 8475'. Completed DST no. 2, 8429'-8475'. Tripped in w/bit to resume drilling. Rotary clutch repairs.
- 3-30-80 TD 8475'. Rig repairs - rotary clutch. Bit no. 14, 7-7/8" F3 in at 8475'. Waiting on rotary clutch repairs.
- 3-31-80 TD 8660'. Drilling. WOB 35,000, 60 RPM, 6x8-1/2 pump, 120 SPM, 1350# pressure. Bit no 14, 7-7/8" F3 in at 8475', 185' in 15-3/4 hrs. Mud: wt. 9.1#/gal, vis. 30 secs.

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3-14-80 TD 6125'. Drilling. WOB 35,000, 65 RPM, 6x8-1/2 pump, 120 SPM, 1300# pressure. Bit no. 8, 7-7/8" F3, in at 5685', out at 6019', 334' in 29 hrs. Bit no. 9, 7-7/8" J33 in at 6019', 106' in 13-1/4 hrs. Trip out to check drill pipe. L.D. 1 washed out drill collar. Mud: wt. 9.2#/gal, vis. 35 secs.

3-15-80 TD 6280'. Drilling. WOB 25-35,000, 65-70 RPM, 6x8-1/2 pump, 120 SPM, 1500# pressure. Bit no. 9, 7-7/8", J33 in at 6019', 261' in 36-1/4 hrs. Mud: wt. 9.2#/gal, vis. 32 secs.

3-16-80 TD 6467'. Drilling. WOB 40,000, 70 RPM, 6x8-1/2 pump, 120 SPM, 1500# pressure. Bit no. 9, 7-7/8", J33, in at 6019', 448' in 58-1/4 hrs. Mud: wt. 9.0#/gal, vis. 35 secs.

3-17-80 TD 6707'. Drilling. WOB 40,000, 70 RPM, 6x8-1/2 pump, 120 SPM, 1500# pressure. Bit no. 9, 7-7/8" J33, in at 6019', 688' in 81-1/2 hrs. Mud: wt. 8.9#/gal, vis. 31 secs.

3-18-80 TD 6855'. Drilling. WOB 35,000, 70 RPM, 6x8-1/2 pump, 120 SPM, 1300# pressure. Bit no. 9, 7-7/8" J33 in at 6019', out at 6810', 791' in 94-1/4 hrs. Bit no. 10, 7-7/8" F2A in at 6810', 45' in 4-1/2 hrs. Deviation: 1-1/4° at 6810'. Mud: wt. 9.1#/gal, vis. 33 secs.

3-19-80 TD 7122'. Tripping to check for hole in pipe. WOB 35,000, 66-70 RPM, 6x8-1/2 pump, 120 SPM, 1300# pressure. Bit no. 10, 7-7/8" F2A, in at 6810', 312' in 27-1/2 hrs. Lost 400# pump pressure. Mud: wt. 9.1#/gal, vis. 32 secs.

3-20-80 TD 7224'. PU test tools for DST no. 1. WOB 35,000, 60-65 RPM, 6x8-1/2 pump, 120 SPM, 1300# pressure. Bit no. 10, 7-7/8" F2A in at 6810', 414' in 34-3/4 hrs. DB: 7168'-96' (28') 450 units gas. Mud: wt. 9.0#/gal, vis. 36 secs. Circulated and conditioned hole for drillstem test.

3-21-80 TD 7280'. Drilling. WOB 40,000, 65 RPM, 6x8-1/2 pump, 120 SPM, 1300# pressure. Bit no. 10, 7-7/8" F2A in at 6810'. 470' in 40-1/4 hrs. Completed DST no. 1 7171'-7224'. Mud: wt. 9.1#/gal., vis. 41 secs.

3-22-80 TD 7488'. Drilling. WOB 35-40,000, 65 RPM, 6x8-1/2 pump, 120 SPM, 1300# pressure. Bit no. 10, 7-7/8" F2A, in at 6810', 678' in 60-1/2 hrs. Lost circulation, mixed mud and L.C. mtl's. to regain circulation. Mud: wt. 8.9#/gal. vis. 33 secs.

3-23-80 TD 7694'. Drilling. WOB 40,000, 65 RPM, 6x8-1/2 pump, 95 SPM, 1300# pressure. Bit no 10, 7-7/8" F2A, in at 6810', 884' in 83-3/4 hrs. Mud: wt. 8.8#/gal, vis. 33 secs.

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- 3-4-80 TD 4024'. Mixing mud. WOB 35,000, 75 RPM, 6x8-1/2 pump, 120 SPM, 900# pressure. Bit no. 5, 7-7/8", F3 in at 3314', 710' in 39-1/4 hrs. Deviation: 3° at 3696', 3° at 3884'. Lost circulation while drilling at 3978'. Mixed mud and lost circ. mtls. Drlg. w/partial returns. Mud: wt. 8.7#/gal, vis. 36 secs, LCM 10%.
- 3-5-80 TD 4068'. WOC and cementing lost circ. intervals. Bit no. 5, 7-7/8" F3 in at 3314', out at 4068', 754' in 42-1/4 hrs. Set 150 sx cmt. plug at 4040'. WOC. Set 100 sx cmt. plug at 3562'. WOC. Set 50 sx cmt. plug at 2600'. WOC. Checked top of cement at 3440'.
- 3-6-80 TD 4068'. Drilling cement. Bit no. 6 RR, 7-7/8" DTJ, in at 2456', drlg cmt. 914' in 8-3/4 hrs. Set 100 sx cement plug at 3440'. WOC. Set 100 sx cement plug at 2499'. WOC. TOC at 2456'.
- 3-7-80 TD 4240'. Drilling. WOB 35,000, 70 RPM, 6x8-1/2 pump, 110 SPM, 900# pressure. Bit no. 6 RR, 7-7/8" DTJ, in at 4068', out at 4231', 163' in 9-1/4 hrs. Bit no. 7, 7-7/8" F45 in at 4231', 9' in 1/2 hr. Mud: wt. 8.4#/gal, vis. 27 secs.
- 3-8-80 TD 4815'. Drilling. WOB 35,000, 70 RPM, 6x8-1/2 pump, 120 SPM, 1100# pressure. Bit no. 7, 7-7/8" F45 in at 4231', 584' in 22-1/2 hrs. Deviation: 3° at 4505'. Mud: wt. 8.3#/gal, vis. 27 secs.
- 3-9-80 TD 5364'. Drilling. WOB 35,000, 70 RPM, 6 x 8-1/2 pump, 120 SPM, 1100# pressure. Bit no. 7, 7-7/8" F45, in at 4231', 1133' in 45-1/2 hrs. Mud:water.
- 3-10-80 TD 5685'. Tripping for bit. Bit no. 7, 7-7/8" F45 in at 4231', out at 5685', 1454' in 64-3/4 hrs. Bit no. 8, 7-7/8" F3 in at 5685'. Deviation: 1° at 5685'. Mud: wt. 8.4#/gal, vis. 27 secs.
- 3-11-80 TD 5685'. Tripping w/bit to drill cement. Unable to obtain circulation following bit trip. Mixed mud and lost circulation material. Lost approx. 800 bbls. fluid. Trip out w/bit. Cont'd. below packer at 2478' w/75 sxs cement. Recemented w/125 sxs cement. Checked cement.
- 3-12-80 TD 5720'. Drilling. WOB 35,000, 60 RPM, 6x8-1/2 pump, 120 SPM, 1300# pressure. Bit no. 8, 7-7/8" F3, in at 5685', 35' in 2-1/2 hrs. Recemented with 125 sxs cement. WOC. Check and drilled cement thru lost circulation intervals. Full returns. Mud:water.
- 3-13-80 TD 5995'. Drilling. WOB 35,000, 60 RPM, 6x8-1/2 pump, 120 SPM, 700# pressure. Bit no. 8, 7-7/8", F3 in at 5685', 310' in 25-1/2 hrs. Mud: wt. 8.7#/gal, vis. 30 secs.

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- 2-26-80 TD 2523'. Pressure testing BOP equipment. Recemented 9-5/8" casing thru 1" pipe with 100 sacks Class G cement. Cement to surface. Nipple down 12" - 3000# BOP equipment and set casing slips. Install intermediate casing spool. Nipple up 10" - 5000# BOP equipment and pressure test.
- 2-27-80 TD 2735'. Drilling. WOB 25,000, 65 RPM, 6x8-1/2 pump, 120 SPM, 950# pressure. Completed pressure testing BOP equipment. PU 11-6-1/4" drill collars and BHA. TOC at 2470'. Drilled cement, float collar and shoe. Drilling formation: Bit no. 3, 7-7/8", F45 in at 2523', 212' in 7-1/2 hours. Mud:water.
- 2-28-80 TD 3185'. Drilling. WOB 25,000, 60-90 RPM, 6x8-1/2 pump, 100 SPM 1200# pressure. Bit no. 3, 7-7/8", F45 in at 2523', 662' in 28-3/4 hrs. Deviation: 10 at 3002'. Mud: wt. 8.8#/gal, vis 32 secs. Lost returns at 2865'. Mixed mud with LCM and drill w/o returns to 2873'. Obtained returns and continue drilling to 2942' and lost returns. Mixed mud with LCM and continue drilling with slight mud loss.
- 2-29-80 TD 3232'. Drilling cement plugs. WOB 18-20,000, 90 RPM, 6x8-1/2 pump, 84 SPM, 950# pressure. Bit no. 3, 7-7/8" F45 in at 2523', 709' in 32 hours. Deviation: 3-1/4° at 3222'. Lost circulation at 3228'. Mixed mud and lost circulation materials. Unable to obtain returns. Cemented lost circulation interval with 150 sacks RFC. WOC. Mud: wt. 8.7#/gal, vis. 38 secs, LCM 10%.
- 3-1-80 TD 3257'. Tripping. WOB 18,000, 90 RPM, 6x8-1/2 pump, 120 SPM, 700# pressure. Bit no. 3, 7-7/8" F45 in at 2523', 734' in 34-1/2 hrs. Deviation: 5-1/2° at 3222', 5-1/4° at 3252'. Drilled cement plug. Recemented with 150 sacks RFC at 3150'. WOC. Drilled cement. Circ. and cond. mud and continue drilling. Mud: wt. 8.7#/gal, vis. 39 secs, LCM 15%.
- 3-2-80 TD 3375'. Drilling. WOB 16-25,000, 70 RPM, 6x8-1/2 pump, 120 SPM, 900# pressure. Bit no. 4, 7-7/8", V2J in at 3257' out at 3314', 57' in 8 hrs. Bit no. 5, 7-7/8", F3 in at 3314', 61' in 7-3/4 hrs. Deviation: 4-3/4° at 3283', 5° at 3314'. Tripped for bit. Mud: wt. 8.7#/gal, vis. 30 secs, LCM 10%.
- 3-3-80 TD 3670'. Drilling. WOB 15-35,000, 75 RPM, 6x8-1/2 pump, 120 SPM, 900# pressure. Bit no 5, 7-7/8" F3 in at 3314', 356' in 25-1/4 hrs. Deviation: 4-3/4° at 3376', 5° at 3408', 3-1/2° at 3476', 3-1/2° at 3570'. Drlg. assy: 1 stabilizer at 60' above bit. Mud: wt. 8.8#/gal vis. 30 secs, LCM 3%.

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- 1-11-80 TD 200'. Ran 6 jts. 13-3/8", 48.0#, H40 surface casing to 206' KBM and cemented with 250 sacks Class G cement. Cement circulated to surface. WORT.
- 2-18-80 TD 206'. Rigging up rotary drilling rig and preparing to drill.
- 2-19-80 TD 1030'. Drilling. WOB 15-28,000, 60-120 RPM, 6x8-1/2 pump, 120 SPM, 600# pressure. Bit no. 1, 12-1/4" DTJ in at 206', 824' in 19 hours. Deviation 1/4° at 700'. Started drilling below surface casing at 9 a.m., 2-18-80.
- 2-20-80 TD 1745'. WOB 30,000, 120 RPM, 6x8-1/2 pump, 120 SPM, 600# pressure. Bit no. 1 12-1/4", DTJ in at 206', 1539' in 41-3/4 hrs. Deviation 1/4° at 1502'. Mud:water.
- 2-21-80 TD 2105'. Drilling. WOB 25,000, 90 RPM, 6x8-1/2 pump, 100 SPM, 950# pressure. Bit no. 1, 12-1/4", DTJ in at 206', out at 1752', 1546' in 42-1/4 hrs. Bit no. 2, 12-1/4", F3 in at 1752', 353' in 19-1/4 hours. Reamed 60' to bottom following trip for bit. Mud:water.
- 2-22-80 TD 2494'. Drilling. WOB 25,000, 90 RPM, 6x8-1/2 pump, 100 SPM, 950# pressure. Bit no. 2, 12-1/4", F3 in at 1752', 742' in 40-1/4 hours. Mud: wt. 8.6#/gal., vis 27 secs.
- 2-23-80 TD 2523'. Mixing mud for lost circulation. WOB 25,000, 90 RPM, 6x8-1/2 pump, 100 SPM, 950# pressure. Bit no. 2, 12-1/4", F3 in at 1752', out at 2523', 771' in 42-1/2 hrs. Deviation: 1° at 2523'. Drilled 12-1/4" hole to 2523'. Circulated and conditioned hole for logging. Logging tools hit bridge at 2230'. Trip in with bit to clean and circulate hole. Lost circulation. Mud:water with LC mtl's.
- 2-24-80 TD 2523'. Logging. Mixed mud and lost circulation materials. Obtained circulation and conditioned hole for logging. Tripped for plugged jets in bit. Circulate and condition hole and short trip. Logging.
- 2-25-80 TD 2523'. Cementing 9-5/8" intermediate casing. Completed logging with Schlumberger, DI-SFL, GNL-FDC & BHC Sonic. L.D. 9" drill collars. Ran 65 jts. 9-5/8", 36.0#, 40.0#, 43.5# & 53.5#, K55 & N80 intermediate casing with guide shoe and float collar. Land casing at 2512' KB. Circulated casing with full returns and rig up equipment to cement. Cemented with 1000 sacks 65:35 Pozmix cement with 6% gel and 1/4#/sx celloflake followed with 100 sacks Class G cement. Lost returns following 30 bbls. displacement. Displaced cement slurry with total of 190 bbls. WOC. Recemented from surface thru 1" pipe with 150 sacks Class G cement. WOC. Fill hole with 40 bbls. and prep. to recement.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-0143276

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Sand Ridge II Unit

8. FARM OR LEASE NAME

Federal

9. WELL NO.

23-17

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Section 17, T8S, R23E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

1.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Pacific Transmission Supply Company

3. ADDRESS OF OPERATOR

P.O. Box 3093, Casper, Wyoming 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

1980' FSL, 2031' FWL, NE 1/4 SW 1/4, Section 17, T8S, R23E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5387' KDB

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Daily Drilling Progress Report X

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Daily Drilling Reports Attached.

RECEIVED

APR 22 1980

18. I hereby certify that the foregoing is true and correct

SIGNED

R. J. Fifth

TITLE

Petroleum Engineer

DIVISION OF

OIL, GAS & MINING

DATE April 21, 1980

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

3-USGS,SLC,UT; 1-Div. of OG&M, UT; 1-Chorney; 1-Ralph E. Davis; 1-JLWroble; 1-ERHenry; 1-EEMulholland; 1-File

*See Instructions on Reverse Side

PACIFIC TRANSMISSION SUPPLY COMPANY
Natural Gas Corporation of California

85 South 200 East
Vernal, Utah 84078
(801) 789-4573

April 21, 1980

Mr. E. W. Guynn (3)
GEOLOGICAL SURVEY-CONSERVATION DIV.
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, UT 84104

✓ Mr. Frank M. Hamner (1)
DIVISION OF OIL, GAS & MINING
1588 West North Temple
Salt Lake City, UT 84116

Mr. L. Stanley (1)
CHORNEY OIL COMPANY
401 Lincoln Tower Bldg.
Denver, CO 80295

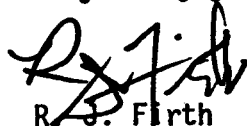
Mr. J. Milton Wege (1)
RALPH E. DAVIS & ASSOCIATES
500 Jefferson, Suite 2031
Houston, TX 77002

Re: PTS #23-17 Federal
Sand Ridge II Unit
Section 17, T8S, R23E
Uintah County, UT

Gentlemen:

Enclosed are your required number of copies of Form 9-331, Sundry Notices and Reports on Wells, Subsequent Report of Setting and Cementing Casing and Subsequent Report of Daily Drilling Progress dated April 21, 1980 for the above referenced well.

Very truly yours,



R. J. Firth
Petroleum Engineer

RJF/kh
Encls.

cc: J. L. Wroble
E. R. Henry
E. E. Mulholland
C. T. Clark (Cover Letter Only)

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DIVISION OF
OIL, GAS & MINING

Pacific Transmission Supply Co.
Sand Ridge II Unit
#23-17 Federal
Daily Drilling Report

4-1-80 TD 8705'. Drilling. WOB 32,000, 62 RPM, 6 x 8-1/2 pump, 100 SPM, 1000# pressure. Bit no. 14, 7-7/8" F3 in at 8475', 230' in 21-1/2 hrs. Tripped for hole in pipe. L.D. 2 drill collars; magnaflux all drill collars. Trip in hole and drilled 14'. Lost circulation. Mixed mud and LC material to regain circulation. Mud: wt. 8.7#/gal, vis. 32 secs.

4-2-80 TD 8900'. Drilling. WOB 35,000, 60 RPM, 6 x 8-1/2 pump, 120 SPM, 1350# pressure. Bit no. 14, 7-7/8" F3 in at 8475', 425' in 44-1/2 hrs. Mud: wt. 9.0#/gal, vis. 35 secs.

4-3-80 TD 9060'. Drilling. WOB 35-38,000, 60 RPM, 6 x 8-1/2 pump, 120 SPM, 1350# pressure. Bit no. 14 7-7/8" F3 in at 8475', 585' in 66-1/2 hrs. Mud: wt. 9.4#/gal, vis. 35 secs.

4-4-80 TD 9195'. Tripping for bit change. Bit no. 14, 7-7/8" F3 in at 8475', out at 9195', 720' in 86-1/2 hrs. Mud: wt. 9.3#/gal, vis. 36 secs.

4-5-80 TD 9305'. Drilling. WOB 35,000, 60 RPM, 6 x 8-1/2 pump, 125 SPM, 1500# pressure. Bit no. 15, 7-7/8" F3 in at 9195', 110' in 14-1/2 hrs. Washed 40' to bottom following trip for bit. Deviation: 2-1/4° at 9195'. Mud: wt. 9.3#/gal, vis. 35 secs.

4-6-80 TD 9500'. Drilling. WOB 35,000, 60 RPM, 6 x 8-1/2 pump, 120 SPM, 1400# pressure. Bit no. 15, 7-7/8" F3 in at 9195', 305' in 37-1/2 hrs. Mud: wt. 9.5#/gal, vis. 32 secs.

4-7-80 TD 9661'. Drilling. WOB 35,000, 60 RPM, 6 x 8-1/2 pump, 120 SPM, 1400# pressure. Bit no. 15, 7-7/8" F3 in at 9195', 466' in 60 hrs. Mud: wt. 9.4#/gal, vis. 33 secs.

4-8-80 TD 9755'. Tripping for hole in pipe. Bit no. 15, 7-7/8" F3 in at 9195', out at 9699', 504' in 67 hours. Bit no. 16, 7-7/8" F3 in at 9699', 56' in 7-1/2 hrs. Drilled to 9699'. Tripped for bit, wash and ream 30' to bottom. Drilled 9699'-9755'. Lost pump pressure, tripping to check for hole in pipe. Mud: wt. 9.0#/gal, vis. 37 secs.

4-9-80 TD 9862'. Drilling. WOB 35,000, 65 RPM, 6 x 8-1/2 pump, 120 SPM, 1400# pressure. Bit no. 16, 7-7/8", F3 in at 9699', 163' in 21-1/4 hrs. Completed trip for hole in pipe. L.D. 2 drill collars. Trip in and wash 60' to bottom. Resume drilling. Mud: wt. 9.6#/gal, vis. 35 secs.

4-10-80 TD 9986'. Drilling. WOB 35,000, 65 RPM, 6 x 8-1/2 pump, 120 SPM, 1400# pressure. Bit no. 16, 7-7/8" F3 in at 9699', 287' in 24-1/2 hrs. Mud: wt. 9.6#/gal, vis. 34 secs.

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Pacific Transmission Supply Co.
Sand Ridge II Unit
#23-17 Federal
Daily Drilling Report

- 4-11-80 TD 9997'. Logging. Bit no. 16, 7-7/8" F3 in at 9699', out at 9997', 298' in 47-1/4 hrs. Drilled to TD at 9997' at 9:15 a.m., 4/10/80. Circulated and conditioned for logging. Schlumberger TD 9964'.
- 4-12-80 TD 9997'. Tripping in with bit. Completed logging to 9964'. Trip in with bit and circulate and condition for additional logging. Trip out with bit and RU to continue logging. Unable to get below 9856' with logging tool. RD logging equipment. Trip in hole with bit to condition hole.
- | | | |
|-----------|------------------------------|-------|
| Log Tops: | Green River, Parachute Creek | 3050' |
| | Wasatch Transition | 5514' |
| | Wasatch | 6020' |
| | Mesaverde | 8450' |
- 4-13-80 TD 9997'. Tripping in with bit. Tripped in hole and circulated and conditioned for logging. Trip out with bit and RU to continue logging. Completed logging to TD 9945'. RD logging equipment. Trip in with bit to condition hole for casing. Mud: wt. 9.8#/gal, vis. 40 secs.
- 4-14-80 TD 9997'. Running 5-1/2" casing. Tripped in with bit and circulated and conditioned hole for casing. L.D. drill pipe and drill collars. RU casing crew. Running 5-1/2" casing.
- 4-15-80 TD 9997'. Driller, 10,012' strap. Ran 243 jts. 5-1/2", 17.0# and 20.0#, K55 and N80 production casing with guide shoe, float collar, stage cementing collar, 3 cement buckets and 18 centralizers. Land casing at 10,012' KB. Cemented casing thru shoe with 1500 sacks RFC. Good circulation throughout job. Unable to utilize cementing stage collar due to improper depth placement in casing string. Set casing slips, cut off casing and installed tubing spool. Nipple down BOP equipment. Rig released at 12 midnight, 4/14/80.

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APR 22 1980

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPlicate*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-0143276

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Sand Ridge II Unit

8. FARM OR LEASE NAME

Federal

9. WELL NO.

23-17

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Section 17, T8S, R23E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

1.

OIL ☐ GAS ☒
WELL WELL OTHER

2. NAME OF OPERATOR

Pacific Transmission Supply Company

3. ADDRESS OF OPERATOR

P.O. Box 3093, Casper, Wyoming 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1980' FSL, 2031' FWL, NE 1/4 SW 1/4, Section 17, T8S, R23E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

5387' KDB

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Setting & Cementing Casing

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Drilled 7-7/8" hole to total depth at 10,012'. Conducted electric logging operations. Ran 243 jts. 5-1/2", 17.0# & 20.0#, K-55 & N-80 production casing with guide shoe, float collar, stage cementing collar and 18 centralizers. Land casing at 10,012' KB. Cemented thru casing shoe with 1500 sacks regulated fillup cement. Preceded cement slurry with 10 bbls. spacer and 10 bbls. mud flush. Good circulation throughout job. Estimated cement top at 6000'. Set casing slips and land casing. Rig down drilling rig and equipment.

RECEIVED
APR 22 1980

18. I hereby certify that the foregoing is true and correct

SIGNED

R. E. Fifth

TITLE Petroleum Engineer

DATE

April 21, 1980

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

3-USGS, SLC, UT; 1-Div. of OG&M, UT; 1-Chorney; 1-Ralph E. Davis; 1-JLWroble; 1-ERHenry;
1-EEMulholland; 1-File

*See Instructions on Reverse Side

NATURAL GAS CORPORATION OF CALIFORNIA

OPERATIONS HEADQUARTERS
308 DURBIN CENTER BUILDING
145 SOUTH DURBIN STREET
P. O. BOX 3093
CASPER, WYOMING 82602
(307) 265-1027

GEOLOGICAL WELL REPORT

PACIFIC TRANSMISSION SUPPLY COMPANY

SAND RIDGE - PTS #23-17 FEDERAL

SECTION 17, TOWNSHIP 8 SOUTH, RANGE 23 EAST

UINTAH COUNTY, UTAH

Submitted by: Erik Enquist, Geologist
John Fleming, Geologist
Natural Gas Corporation of Calif.
April 24, 1980

WELL DATA

Operator: Pacific Transmission Supply Company

Legal Location: 1980' FSL, 2031' FWL, NE 1/4, SW 1/4, Sec. 17, T8S, R23E

Well Name: PTS #23-17 Federal, Sand Ridge Unit

Country and State: Uintah County, Utah

Elevations: 5371' GL; 5387' KB

Dry Hole Digger Contractor:

Date Commenced:

Drilling Contractor: Anderson Myer Company, Rig #3

Date Commenced: 2/19/80

Surface Casing: 9-5/8" to 2523'; 5-1/2" 17# & 20#, K55 & N-80 to TD

Hole Size: 12-1/4" to 2523'; 8-3/4" to TD.

Fluids Contractor: D.M.I., Vernal, Utah

Drill Stem Tests: DST #1 - Lynes, Inc., Rock Springs, Wyoming
DST #2 - Johnson Schlumberger, Vernal, Utah
(See DST Reports)

Logging Data: Schlumberger, Vernal, Utah
202'-2526' DI-SFL w/GR and SP, CNFD w/GR and caliper, BHC Sonic w/GR
and sonic 2275'-9958' DI-SFL w/GR and SP, CNFD w/GR and caliper, BHC
Sonic w/GR and sonic Cyberlock

Mud Logging: Melton Enterprises Inc., Vernal, Utah

Cores: None

Total Depth: 10,000' - Driller
9,958' - Logger
Ceased Drilling: 4/11/80

CHRONOLOGICAL WELL HISTORY

<u>Date</u>	<u>Drilled to</u>	<u>Hrs. Drilling</u>	<u>Activity</u>
2/16/80	200'	-	RURT
2/17/80	200'	-	RURT
2/18/80	200'	-	RURT
2/19/80	1030'	19	Drilling
2/20/80	1745'	22-3/4	Drilling
2/21/80	2105'	19-3/4	Drilling; Trip for Bit #1
2/22/80	2494'	21	Drilling
2/23/80	2523'	2-1/4	Trip for logs; condition hole; lost circulation prob.
2/24/80	2523'	-	Mix LCM; logging.
2/25/80	2523'	-	Run 9-5/8" casing; WOC.
2/26/80	2523'	-	WOC; nipple up BOP's; test BOP's.
2/27/80	2735'	7-1/2	Test BOP's; rig repair; drilling.
2/28/80	3185'	21-1/4	Drilling; lost circulation; mix LCM.
2/29/80	3232'	3-1/4	Lost circulation; set cement plug; WOC.
3/01/80	3257'	2-1/2	Drill 1st cement plug; set 2nd cement plug; trip for bit #3.
3/02/80	3375'	15-3/4	Drlg; trip for bit #4; drlg.
3/03/80	3670'	17-1/2	Drlg; trip for stabilizer.
3/04/80	4024'	14	Drlg; lost circulation; mix LCM.
3/05/80	4068'	3	Mix LCM; set cement plug; squeeze plug; WOC.
3/06/80	4020'	-	WOC; set plug; squeeze plug; WOC; set another cement plug and squeeze; drilling cement.
3/07/80	4240'	1	Drlg cement; trip for bit #6; ream hole; drilling.
3/08/80	4815'	22	Drilling.
3/09/80	5364'	23	Drilling.
3/10/80	5685'	19-1/4	Drilling; trip for bit #8.
3/11/80	5685'	-	Lost circulation; mix LCM; set and squeeze cement plug; WOC.
3/12/80	5720'	2-1/2	Set another cement plug and squeeze; WOC; drlg.
3/13/80	5995'	23	Drilling.
3/14/80	6125'	16-3/4	Drilling; trip for hole in pipe.
3/15/80	6280'	23	Drilling.
3/16/80	6467'	22	Drilling.
3/17/80	6707'	23-1/4	Drilling.
3/18/80	6855'	17-1/4	Drilling; trip for bit #9.
3/19/80	7122'	23	Drilling.
3/20/80	7224'	7-1/4	Drilling; trip for DST; run DST #1.
3/21/80	7280'	5-1/2	Run DST #1, drlg.
3/22/80	7488'	20-1/4	Drilling; lost circulation; mix LCM.
3/23/80	7694'	23-1/4	Drilling.
3/24/80	7750'	9-3/4	Drilling; trip for bit #10; trip for bit #11.

CHRONOLOGICAL WELL HISTORY (continued)

3/25/80	7892'	15-3/4	Drilling; trip for bit #12.
3/26/80	8060'	17-3/4	Drilling; trip to inspect bit.
3/27/80	8290'	23	Drilling.
3/28/80	8475'	16-3/4	Drilling; trip for DST #2.
3/29/80	8475'	-	Run DST #2; rig repair.
3/30/80	8475'	-	Rig repair.
3/31/80	8660'	15-3/4	Rig repair; ream hole; drilling.
4/01/80	8705'	5-3/4	Drllg; loss of pump pressure due to hole in drill collar; trip for collar; lost circulation prob.
4/02/80	8900'	23	Drilling.
4/03/80	9060'	22	Drilling.
4/04/80	9195'	20	Drilling; tight hole.
4/05/80	9305'	14-1/2	Trip for bit #14; drilling.
4/06/80	9500'	23	Drilling.
4/07/80	9661'	22-1/2	Drilling.
4/08/80	9755'	14-1/2	Drilling; trip for bit #15; ream hole; trip for hole in pipe.
4/09/80	9862'	21-1/4	Drilling.
4/10/80	9986'	22-3/4	Drilling.
4/11/80	9997'- TD (geol) (10003'- strap)	3-1/4	Drilling; trip for logs; logging

BIT RECORD

<u>No.</u>	<u>Make</u>	<u>Type</u>	<u>Size</u>	<u>Depth In</u>	<u>Depth out</u>	<u>Total Ftg</u>	<u>Total Hrs.</u>
1	Smith	DT-J	12-1/4"	206'	1752'	1546'	42-1/4
2	Smith	F-3	12-1/4"	1752'	2523'	771'	42-1/2
3	Smith	F-45	7-7/8"	2523'	3257'	734'	34-1/2
4	Smith	V2-J	7-7/8"	3257'	3314'	57'	8
5	Smith	F-3	7-7/8"	2456'	4068'	1612'	8-3/4
6	Smith	V2-JRR	7-7/8"	4068'	4231'	163'	9-1/4
7	Smith	F-45RR	7-7/8"	4231'	5685'	1454'	64-3/4
8	Smith	F-3RR	7-7/8"	5685'	6019'	334'	29
9	Hughes	J-33	7-7/8"	6019'	6810'	791'	94-1/4
10	Smith	F-2A	7-7/8"	6810'	7716'	906'	86-1/2
11	Smith	F-3	7-7/8"	7716'	7719'	3'	2-1/2
12	Smith	F-45RR	7-7/8"	7719'	7802'	83'	9-1/2
13	Smith	F-3	7-7/8"	7802'	8475'	673'	65-3/4
14	Smith	F-3	7-7/8"	8475'	9195'	720'	86-1/2
15	Smith	F-3	7-7/8"	9195'	9699'	504'	67
16	Smith	F-3	7-7/8"	9699'	9997'	298'	47-1/4

DEVIATION SURVEY

<u>Depth</u>	<u>Deviation</u>
1502'	1/4 deg.
3002'	1 deg.
3222'	3-1/4 deg.
3222'	5-1/2 deg.
3252'	5-1/2 deg.
3283'	4-3/4 deg.
3314'	5 deg.
3345'	5 deg.
3376'	4-3/4 deg.
3408'	5 deg.
3476'	3-1/2 deg.
3570'	3-1/2 deg.
4505'	3 deg.
5685'	1 deg.
6810'	1-1/4 deg.
7716'	2 deg.
8027'	1-3/4 deg.
9195'	2-1/4 deg.
9973'	2 deg.

FORMATION TOPS

<u>Formation</u>	<u>Log Top</u>	<u>Datum</u>
Green River		
Evacuation Creek	1710'	+3677'
Parachute Creek	3050'	+2337'
"H" Marker	4552'	+ 835'
"I" Marker	4680'	+ 707'
"J" Marker	4929'	+ 458'
"K" Marker	5083'	+ 304'
"L" Marker	5287'	+ 100'
"M" Marker	5379'	+ 8'
"N" Marker	5454'	- 67'
Wasatch "Transition"	5514'	- 127'
Wasatch	6020'	- 633'
"Y" Marker	8210'	-2823'
Mesaverde	8450'	-3063'

#23-17 Federal
Sand Ridge Unit

<u>Interval</u>	<u>Thickness</u>	<u>Drlg. Rate Bef/Dur/Aft</u>	<u>BGG</u>	<u>Max.</u>	<u>Fluor/Chromat.</u>
7166 - 7195	29'	5/1.5/5	20	450	Tr: med yel; tr cut fast strmg yel.
7282 - 7303	21'	4/.5/4	20	160	None
8261 - 8275	14'	5.5/.5/4.5	10	110	None
8427 - 8456	29'	5.5/.5/5	15	450	Brt yel 50%: No Cut
8495 - 8523	28'	4.5/1.5/4	10	150	None
9045 - 9060	15'	12/4.5/9	5	10	None
9110 - 9120	10'	13/5.5/9.5	5	25	None
9126 - 9132	6'	9.5/7/9	5	20	None
9253 - 9279	26'	8/4/6	5	40	None
9283 - 9299	16'	6/3.5/10	5	30	None
9355 - 9365	10'	7.5/5.5/7	15	70	None
9373 - 9400	27'	9/3/8.5	15	130	None
9416 - 9443	27'	10/3/9	15	180	None
9550 - 9560	10"	8/6.5/8	10	35	None
9580 - 9595	15'	8/5/8	10	60	None
9604 - 9625	21'	8.5/4/8	10	75	None
9642 - 9651	9'	8/4.5/8	10	65	None
9800 - 9810	10'	6.5/4.5/7	20	70	None
9818 - 9824	6'	7/4.5/6	20	45	None
9891 - 9895	4'	7/3/15	15	105	None
9928 - 9942	14'	11.5/4/11	10	150	tr fluor
9964 - 9970	6'	14.5/9/12	10	40	None
9973 - 9984	11'	12/7/14	10	50	None

Log Analysis

Schlumberger

COMPANY PACIFIC TRANSMISSION SUPPLY COMPANY				WELL SAND RIDGE UNIT - FEDERAL 2			
FIELD WILDCAT		COUNTY UTAH		STATE UTAH			

DEPTH		RILD OHM-M	RWA OHM-M		Φ_N %	Φ_D %	Φ_S %			% POROSITY CROSS PLAT	** % WATER	REMARKS
9891 → 9895		23	.13		WASHED OUT		TOOL STUCK			$\frac{(\Phi_D + \Phi_N)}{2}$		** $S_w = \sqrt{\frac{R_w \cdot \Phi_D}{\Phi_N}}$
9410 → 9438	9410 → 20	26	.13		9	8	11			8.5	79	
	9420 - 26	20	.13		11	11	12			11.0	68	
	9426 - 38	20	.13		13	9 1/2	12			11.25	66.5	
9378 → 9395		26	.13		10	9	9.5			9.5	69.9	
8486 → 8525	8488 - 96	17	.15		15	13	14			14.0	61.2	
	8496 - 8502	11-15	.15		13	10	10			11.50	86.5	
	8502 - 06	20 max	.15		INCREASINGLY LOWER Φ_S			8 → 1				
	8506 - 16	13	.15		13	10	12			11.50	86.5	
	8544 - 25	23	.15		13	10.5	11			11.75	63.5	
3421 → 8450	8421 - 30	10-15	.15		WASHED OUT 19	17	20			18.0	54.5	
	8430 - 40	25	.15		WASHED OUT		13			13.0 Φ_S	54.7	
	8440 - 50	11	.15		WASHED OUT		17			17.0 Φ_S	61.8	
8257 → 8272	8260 - 64	30	.15		CROSSOVER 11	16	15 1/2			13.5	47.9	
	8264 - 72	8	.15		WASHED OUT		8269-72 10 → 0					
7280 - 7304	7280 - 86	35 max	.15		14	9	9			11.5	52.7	
	7280 - 7300	23	.15		16	10	10			13.0	57.0	
7144 → 7197	7166 - 70	20	.15		17 1/2	10	10			13.75	57.6	
	7170 - 80	20	.15		16	12	11			14	56.5	
	7180 - 80	24	.15		15	12	12			13.5	53.6	
	7186 - 96	30	.15		13	10	11			11.5	54.7	
9348 - 58		40	.13		10	7	10			8.5	63.5	
7253 - 63		1000	.18		=	7	2			4.5	29.6	Low Porosity

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 7 of our General Terms and Conditions as set out in our current Price Schedule.

DATE 4-12-80	LOCATION Vernal, Utah	ENGINEER B. L. HEIEM
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DRILLSTEM TESTS

Drillstem Test #1, 7171'-7224' (53')

1st Flow: Tool opened with a strong blow, increased to bottom of bucket in 15 seconds, increased to 1 psi in 30 seconds and remained through flow period.
 2nd Flow: Tool opened with a strong blow, increased to bottom of bucket in 5 seconds, increased to 1 psi in 30 seconds. Gas to surface in 35 minutes.

	<u>Time</u>	<u>PSI</u>	<u>MCF/D</u>	<u>Choke</u>
Second Flow:	35 minutes	1	8.95	1/4"
	50 minutes	14 oz.	too small to	1/4"
	55 minutes	12 oz.	measure	1/4"
	60 minutes	8 oz.	"	1/4"
	65 minutes	7 oz.	"	1/4"
	80 minutes	8 oz.	"	1/4"
	85 minutes	9 oz.	"	1/4"
	90 minutes	10 oz.	"	1/4"
	95 minutes	8 oz.	"	1/4"
	105 minutes	12 oz.	"	1/4"
	110 minutes	14 oz.	"	1/4"
	115 minutes	15 oz.	"	1/4"
	120 minutes	18 oz.	"	1/4"

Sampler

Pressure in sampler 60 psig
 Total volume in sampler 2100 cc
 Total volume in sampler 950 cc
 Water None
 Gas .125 cubic feet

Sample R_w .30 @ 60 degrees = 24,500 ppm chlorides
 Mud pit Sample R_w .30 @ 70 degrees = 22,000 ppm chlorides

Sample Recovery - Top Sample R_w .15 @ 65 degrees = 51,000 ppm chlorides
 Middle Sample R_w .90 @ 60. degrees = 7,800 ppm chlorides

Recovered - 79' Gas Cut Mud.

Pressures: IH 3528#
 FH 3487#
 IF - 1 74# (15 minutes)
 FF - 1 67#
 IF - 2 109# (120 minutes)
 FF - 2 89#
 ISIP 965# (60 minutes)
 FSIP 2754# (120 minutes)
 BHT 155 degrees F.
 Mud Weight 9.4#
 Viscosity 33

DRILLSTEM TESTS

Drillstem Test #1, 7171'-7224'

Sample Description:

100% Sandstone: Light gray, salt and pepper, medium grained to fine grained, friable, very calcareous, trace yellow-green fluorescence; trace medium-yellow, fast, streaming cut.

DRILLSTEM TESTS

Drillstem Test #2, 8429'-8475' (46')

First Flow: Tool opened with strong blow to bottom of bucket; 4 lbs. in one minute, 2 lbs. in eight minutes, 5 lbs. in 15 minutes(end of flow perio) all with 3/8" choke.
Second Flow: Tool opened with strong blow to bottom of bucket. Gas to surface two minutes into second flow.

<u>Time</u>	<u>PSI</u>	<u>Choke</u>	<u>MCF/D</u>
2 minutes	27#	1/4"	59
7 minutes	29#	1/4"	61
17 minutes	35#	1/4"	70
37 minutes	42#	1/4"	80
57 minutes	50#	1/4"	92
90 minutes	59#	1/4"	102

Pipe Recovery: 90' drilling mud; $R_w = .11$ @ 60 deg. = 33,000 ppm chlorides
No water cushion used.

Sample Chamber: Pressure in Sampler = 100 psig
Volume of Sampler = 3 cubic feet gas
Sample $R_w = ?$

Mud pit sample $R_w = .15$ @ 45 deg. = 32,000 ppm chlorides
Filtrate $R_w = .15$ @ 46 deg. = 32,000 ppm chlorides

Remarks: Mud Weight = 9.0
Viscosity = 29

Pressures:	Initial Hydrostatic	4162#
	Final Hydrostatic	4140#
	First Initial Flow	68#
	First Final Flow	71# (15 minutes)
	Initial Shut In	3324# (60 minutes)
	Second Initial Flow	71#
	Second Final Flow	121# (90 minutes)
	Final Shut In	3365# (180 minutes)

SAMPLE DESCRIPTIONS

<u>Depth</u>	<u>Lithology</u>
5630-5660'	Wasatch top (transition) Siltstone, red, sandy, soft, shaley in part, sandy in part, slightly calcareous.
5630-6000'	Shale-90-100%, 50% gray, dense, blocky, massive, very calcareous, trace dolomite, firm; 50% red, brown, blocky, silty, soft to firm, slightly calcareous. Sandstone-0-10%, predominately white, clear with calcareous cement, fine grained, angular, well sorted, hard, trace of porosity, occasionally medium gray, very silty, very fine grained, firm to hard, slightly calcareous. Limestone-trace, white light tan, hard cryptocrystalline, very oolitic, trace pyritic, trace ostracods. Coal-trace (possibly cavings) Dolomite-trace, @ 5960'; light brown to dark brown, cryptocrystalline, hard, blocky.
6000-6150'	Shale-80-90%, 50% dark gray to blue gray, firm, flaky to blocky, very calcareous; 50% red, brown, brick, blocky, very soft. Sandstone-10-20%, white, clear, fine grained, fissile, trace porosity. Limestone-trace, dark gray, black, very oolitic. Dolomite-trace, dark brown, microcrystalline, hard, blocky. Pyrite crystals-trace Sandstone-trace, unconsolidated, medium grained, well rounded quartz grains.
6150-6300'	As above, increasing oolitic conglomerate at 6180'. Trace siltstone-sandstone conglomerate at 6180', trace coal-7' stringer at 6270'.
6300-6470'	Shale-90%, red, red brown, gray, brown, gray green, purple, blocky to flaky, very silty in part, calcareous. Limestone-trace, predominately brown tan, cryptocrystalline, hard, occasionally dark gray black, microcrystalline, slightly Dolomitic, occasional oolite conglomerate, Brecciated in part.

LITHOLOGIC DESCRIPTIONS - (CONTINUED)

- 6300-6470' Sandstone-10%, predominately white, fine grained, well sorted, calcareous cement, friable, trace porosity; occasionally light gray to blue gray, medium grained, well sorted, salt and pepper in part, trace light gray, quartzitic, very tight.
Ostracods-trace.
Coal-trace, increasing pyrite.
- 6470-6900' Shale-80%, Purple red, silty, hard (when dry), also light gray, blue gray, becoming light gold at 6700'.
Sandstone-10-20%, white, light gray, salt and pepper, predominately hard, tight, occasionally friable, calcareous cement.
Quartz Crystals-trace, large, clear, angular.
Chert-trace, light brown.
Oolitic conglomerate-trace.
Limestone-trace, brecciated.
- 6900-7200' Shale-90-100%, predominately medium gray, hard, blocky, waxy, very calcareous, also red, brown, purple, silty.
Sandstone-10%, white, salt and pepper, friable to hard, fine grained, well sorted, very calcareous. Trace medium gray to blue gray, very hard to very tight.
Trace medium grained conglomerate, salt and pepper, very calcareous, friable.

- 7200-7220' No Sample.
- 7220-7230' Sandstone-20%, milky, light gray, salt and pepper, fine to medium grained, sub-angular, firm, well sorted, tight, calcareous.
- Shale-80%, light gray, light green, salmon red, light brown, lavender, yellow brown, firm, blocky to flaky, slightly calcareous.
- 7230-7240' Sandstone-40%, as above
Shale-60%, as above
- 7240-7260' Sandstone-30%, light gray to green, salt and pepper, fine to medium to very fine grained, sub-angular, firm, moderately well sorted, tight, calcareous, occasionally glauconitic.
- Shale-60% as above
- Siltstone-10%, light brown, firm, blocky, calcareous.
- 7260-7270' Sandstone-20%, light gray, beige, salt and pepper, occasionally milky, medium to coarse grained, occasionally very fine grained, sub-rounded to sub-angular, firm, well sorted, tight, very calcareous.
- Shale-70%, brick red, salmon red, gray, light gray to green, gray, firm, blocky, micaceous in part, slightly calcareous in part.
- Siltstone-10%, light brown, brick red, light gray, firm, blocky calcareous in part.
- 7270-7300' Sandstone-70%, Salt and pepper, medium grained, sub-angular, hard to firm to friable, well sorted, very calcareous, tight, occasionally poor porosity; occasionally light gray, very fine grained, firm, tight.
- Shale-30%, as above
- Limestone-trace, white, micro-crystalline, firm, translucent.
- 7300-7310' Sandstone-30%, as above
Shale-70%, as above
- 7310-7320' Sandstone-20%, as above
Shale-80%, gray, yellow brown, brick red, occasionally lavender, firm to hard, blocky to flaky, calcareous.

LITHOLOGIC DESCRIPTIONS - (CONTINUED)

- 7320-7350' Sandstone-30%, light to medium gray, salt and pepper, milky, very fine to medium grained, sub-angular, hard to firm, well sorted, slightly calcareous.
- Shale-70%, as above
- 7350-7360' Sandstone-50%, as above
- Shale-50%, as above
- 7360-7400' Sandstone-30%, light gray, milky, salt and pepper, occasionally white, medium gray, medium to very fine grained, round to sub-angular, firm to hard, tight, calcareous.
- Shale-60%, medium to light gray, light green, lavender, brick red, light brown, yellow brown, firm to hard, blocky to flaky, calcareous.
- Siltstone-10%, light brown, brick red, gray, firm to hard, blocky, calcareous.
- Pyrite-trace
- 7400-7480' Sandstone-20%, light gray, salt and pepper, tan, lavender, medium to fine to very fine grained, occasionally coarse grained, sub-angular to round, some well sorted, some poorly sorted, firm to hard, tight, slightly calcareous, slightly quartzitic
- Shale-70%, medium to light gray, light green, lavender, brick red, salmon red, light brown, occasionally yellow brown, dark gray, blocky, carbonaceous, hard, blocky, slightly calcareous, slightly quartzitic, slightly sandy.
- Siltstone-10%, light gray, light brown, firm, blocky, calcareous.
- 7480-7490' Sandstone-10%, as above
- Shale-90%, as above
- 7490-7520 Sandstone-20% as above
- Shale-80%, medium to dark gray, lavender, brick red, light brown, hard to soft, blocky, slightly calcareous.
- 7520-7530' Sandstone-50%, salt and pepper, milky, light gray, light green, medium grained, occasionally very fine grained, sub-angular, well sorted, firm to friable, tight, calcareous, occasionally very glauconitic
- Shale-50%, occasionally blocky, carbonaceous
- 7530-7550' Sandstone-40%, as above
- Shale-60%, as above

7750-7790'

Sandstone-10%, salt and pepper, light to medium gray, light green, medium to very fine grained, occasionally fine grained, sub-angular to sub-rounded to round, firm to friable, some well sorted, some moderately well sorted, tight, slightly quartzitic, slightly feldspar, occasionally glauconitic.

Shale-90%, dark to medium to light gray, salmon red, or brown, light green, firm to hard, blocky, occasionally flaky, sandy in part, slightly calcareous, occasionally blocky, carbonaceous

Chert-trace

Coal-trace

7790-7820'

Sandstone-20%, cream, salt and pepper, light gray, medium to fine grained, occasionally very fine grained, sub-angular to angular, firm, well sorted, tight, calcareous, occasionally light green, glauconitic, slightly quartzitic, slightly feldspar.

Shale-80%, light to medium to dark gray, lavender, brown, hard, blocky, slightly calcareous, occasionally sandy.

7820-7850'

Sandstone-20%, white, medium to light gray, light green, salt and pepper, medium to very fine to fine grained, sub-angular to round, firm to hard to friable, moderately well sorted, occasionally poorly sorted, tight, calcareous, slightly glauconitic, slightly feldspar, slightly quartzitic.

Shale-80%, as above

7850-7870'

Sandstone-30%, as above, pyritic in part.

Shale-70%, light to medium to dark gray, salmon red, light to medium brown, brick red or brown, yellow brown, occasionally blocky, carbonaceous, hard to firm, blocky, occasionally flaky, slightly calcareous, occasionally waxy.

7870-7900'

Sandstone-20%, light gray, salt and pepper, medium to fine to very fine grained, sub-angular to round, firm to hard, well to moderately well sorted, tight, predominately feldspar, calcareous, pyritic in part.

Shale-80%, as above, pyritic in part.

7550-7570'	Sandstone-30%, as above.
7570-7590'	Sandstone-10%, as above.
7590-7610'	Sandstone-20%, as above.
7610-7650'	Sandstone-10%, as above.
7650-7660'	Sandstone-30%, white, milky, light to medium gray, brick red, occasionally lavender, medium to very fine grained, occasionally fine grained, round to sub-rounded, firm to hard, tight, very calcareous, occasionally glauconitic.
	Shale-70%, Light to medium to dark gray, light to dark brown, brick red, orange, maroon, occasionally black, carbonaceous, lavender, firm, brittle, hard, blocky, slightly flaky, slightly waxy, slightly calcareous.
7660-7680'	Sandstone-20%, as above.
	Shale-80%, as above.
7680-7700'	Sandstone-10%, light gray, maroon, medium grained, occasionally very fine grained, round to sub-rounded, firm, well to moderately well sorted, tight, calcareous.
	Shale-90%, as above.
7700-7720'	Sandstone-30%, white, light to medium gray, salt and pepper, lavender, yellow orange, yellow brown, medium to fine to very fine grained, round to sub-rounded, moderately well sorted, occasionally poorly sorted; firm, tight, calcareous.
	Shale-70%, as above.
7720-7750'	Sandstone-10%, as above.
	Shale-90%, as above.

- 7900-7910' Sandstone-40%, light to medium gray, salt and pepper, occasionally buff, predominately medium grained, some very fine grained, occasionally very coarse grained, sub-rounded to sub angular, occasionally rounded, firm to hard, some well sorted, some moderately well sorted, tight, calcareous.
- Shale-60%, as above.
- 7910-7920' Sandstone-60%, light to medium gray, salt and pepper, milky white, predominately medium grained, some fine to very fine grained, occasionally coarse grained, sub-rounded to angular, occasionally round, firm to hard, some well sorted, some moderately well sorted, tight, calcareous.
- Shale-40%, as above.
- 7920-7930' Sandstone-70%, salt and pepper, light to medium gray, clear, milky, medium to coarse grained, some very fine grained, sub-angular to angular, firm to hard, well sorted, very calcareous, very pyritic, silty in part.
- Shale-30%, light to dark gray, white, brick red, salmon red, occasionally black, carbonaceous, hard to very hard, soft to firm, blocky, occasionally pyritic in part.
- 7930-7980' Sandstone-20%, as above, occasionally pyritic
- Shale-80%, as above
- 7980-8060' Sandstone-10%, salt and pepper, light gray, white, medium to coarse to very fine grained, occasionally very fine grained, sub-rounded to angular, well sorted, firm to hard, some well sorted, some moderately well sorted, very calcareous, occasionally pyritic in part.
- Shale-90%, brick red, medium to dark to light gray, light to medium brown, occasionally yellow brown, lavender, white, hard to very hard to firm, blocky, slightly calcareous.
- 8060-8150' Sandstone-10%, salt and pepper, clear, white, milky, light gray, occasionally lavender, fine to coarse grained, occasionally very fine grained, angular to sub-angular, firm, well sorted to moderately well sorted, tight, calcareous, argillaceous in part, (i.e., clay filled).
- Shale-90%, predominately medium to dark gray, occasionally dark to medium brown, salmon red, firm to soft, blocky, slightly sandy, slightly silty.
- 8150-8200' Sandstone-20%, cream, buff, light gray, speckled, very fine to fine to medium to coarse grained, sub-rounded to sub-angular, predominately firm, occasionally hard to friable, some well sorted, some poorly sorted, tight, predominately clay filled,

- 8150-8200' Sandstone-(cont.)
slightly feldspar, slightly quartzitic, occasionally glauconitic.

Shale- medium to light to dark gray, light to medium brown, brick red, salmon red, white, lavender, firm to soft to hard, blocky, predominately calcareous, occasionally pyritic, occasionally black, carbonaceous.

Siltstone-trace, white, firm, blocky, calcareous

Limestone-trace, yellow brown, oolitic, translucent, hard.
- 8200-8210' Sandstone-10%, as above.

Shale-90%, as above.
- 8210-8230' Sandstone-40%, as above.

Shale-60%, as above.
- 8230-8240 Sandstone-30%, as above.
- 8240-8250' Sandstone-20%, white, light gray, speckled, occasionally pink, predominately fine to very fine grained, occasionally medium grained, sub-angular to round, firm to slightly friable, moderately well sorted to poorly sorted, tight, occasionally glauconitic, slightly clay filled, occasionally loose, clear, amber, very coarse grained, round, quartzitic crystals.

Shale-80%, as above.
- 8250-8430' Sandstone-10%, as above.

Shale-90%, dark to medium to light gray, maroon, brick red, yellow brown, lavender, brown, occasionally light green, black, carbonaceous, firm, occasionally soft, blocky, slightly calcareous, occasionally pyritic.

Limestone-trace, light gray, micro crystalline, firm, translucent.
- 8430-8440' Sandstone-70%, predominately clear, milky, salt and pepper, medium to coarse grained, sub-rounded to rounded, friable, moderately well sorted, fair to good porosity, brittle, light yellow fluorescent, no cut, slightly calcareous, occasionally glauconitic, slightly quartzitic, slightly feldspar, occasionally light to medium gray, medium to coarse to fine to very fine grained, sub-rounded to sub-angular, firm to friable, moderately well to poorly sorted, poor porosity, predominately feldspar, occasionally quartzitic.

Shale-30%, medium to light to dark gray, brick red, maroon, occasionally medium to light brown, olive green, lavender, hard to firm, blocky, occasionally fissile in part, slightly calcareous.

- 8440-8460' Sandstone-50%, as above
Shale-50%, as above.
- 8460-8470' Sandstone-20%, as above.
Shale-80%, as above.
- 8470-8480' Sandstone-50%, milky, clear, medium to coarse grained, sub-angular to sub-rounded to angular, slightly unconsolidated, slightly firm, moderately well sorted, some with fair porosity, some tight, slightly calcareous, predominately quartzitic, occasionally feldspar.
Shale-50%, medium to dark gray, hard to brittle, blocky, some very calcareous.
- 8480-8500' Sandstone-30%, predominately salt and pepper, occasionally light gray, predominately coarse to medium grained, occasionally very fine grained, predominately sub-rounded, occasionally sub-angular to round, firm to hard, well sorted, tight, slightly calcareous.
Shale-70%, as above.
- 8500-8520' Sandstone-30%, white, speckled, light gray, cream, medium to coarse to very fine grained, sub-rounded to rounded, firm to hard, well sorted, tight, slightly calcareous, predominately quartzitic, occasionally clear, milky, very coarse grained, round, quartz crystals.
Shale-70%, predominately medium to dark gray, occasionally lavender, olive green, light to dark brown, brick red, hard to firm, blocky to hackly, slight to very calcareous, occasionally black and carbonaceous.
- 8520-8560' Sandstone-10%, as above, predominately salt and pepper.
Shale-90%, dark to medium to light gray, black, carbonaceous, medium to light brown, olive green, tan, brick red, maroon, firm to hard, blocky to flaky, slightly calcareous.
- 8560-8570' Sandstone-20%, salt and pepper, milky, cream, light gray, medium to fine to coarse to very fine grained, sub-rounded to sub-angular, firm to hard, moderately well to poor to well sorted, tight, slightly calcareous, slightly quartzitic, slightly feldspar.
Shale-80%, as above.
- 8570-8600' Sandstone-10%, as above.
Shale-90%, as above.

- 8600-8620' Sandstone-40%, milky, clear, light gray, medium to coarse to very fine grained, sub-rounded to rounded to sub-angular, some firm, some unconsolidated, well to moderately well sorted, some with poor porosity, some tight, some feldspar, slightly quartzitic.
- Shale-60%, predominately medium to light to dark gray, occasionally brown, brick red, or brown, olive green, maroon, hard to firm, blocky to platy to flaky, slightly calcareous.
- Siltstone-trace, light gray, firm, calcareous.
- 8260-8630' Sandstone-30%, as above, pyritic in part, occasionally speckled.
- Shale-70%, as above.
- 8630-8640' Sandstone-40%, as above.
- Shale-60%, as above, pyritic in part.
- 8640-8660' Sandstone-20%, salt and pepper, milky, speckled, light gray, medium to fine grained, occasionally very fine to coarse grained, sub-rounded to sub-angular, occasionally rounded, firm to hard, well sorted, tight, predominately calcareous, predominately quartzitic.
- Shale-80%, predominately medium to dark gray, light gray to green, occasionally lavender, or brown, light brown, black, carbonaceous, yellow brown, buff, predominately blocky, occasionally flaky, slightly calcareous.
- 8660-8670' Sandstone-10%, as above.
- Shale-90%, as above.
- 8670-8680' No Sample.
- 8680-8700' Sandstone-50%, milky, light gray, speckled, occasionally clear, salt and pepper, coarse to medium to fine grained, occasionally very fine grained, sub-rounded to sub-angular to angular, occasionally round, hard to firm, occasionally unconsolidated, some well sorted, some moderately well sorted, some calcareous, predominately quartzitic.
- Shale-50%, as above.
- 8700-8710' No Sample.
- 8710-8720' Sandstone-40%, predominately salt and pepper, occasionally light gray, predominately medium grained, occasionally coarse to fine grained, angular to sub-angular, firm to hard, well to moderately well sorted, tight, calcareous, some feldspar, some quartzitic.

- 8710-8720' (cont.)
Shale-60%, predominately medium to dark gray, black, carbonaceous, occasionally brick red, light brown, yellow brown, firm to hard, blocky, slightly calcareous.
- 8720-8750'
Sandstone-30%, as above, some light gray, very fine grained.
Shale-70%, as above.
- 8750-8760'
Sandstone-50%, predominately salt and pepper, occasionally light gray, milky, medium to fine to very fine grained, sub-angular to sub-rounded, occasionally round, firm, occasionally friable, well sorted, tight, slightly calcareous, occasionally glauconitic, occasionally pyritic in part, occasionally loose, clear, coarse-grained, sub-angular, quartz crystals, some feldspar, some quartzitic.
Shale-50%, predominately dark to medium to light gray, light to medium brown, brick red, buff, white, firm to hard, blocky, occasionally flaky, slightly calcareous, silty and sandy in part, occasionally carbonaceous, occasionally pyritic in part.
- 8760-8790'
Sandstone-40%, as above.
Shale-60%, as above.
- 8790-8800'
Sandstone-30%, as above.
Shale-70%, light to medium gray, black, light to medium brown, brick red, yellow brown, buff, or brown, firm to hard, blocky, fissile in part, slightly calcareous.
- 8800-8840'
Sandstone-40%, predominately salt and pepper, occasionally light gray, light green, pink-gray, medium to fine grained, some very fine grained, sub-angular to angular, firm to hard, occasionally slightly friable, well sorted, tight, slightly calcareous, slightly feldspar, slightly quartzitic, occasionally glauconitic.
Shale-60%, as above.
- 8840-8850'
Sandstone-70%, as above, occasionally milky, medium grained, occasionally loose, clear, coarse grained, well rounded, quartz crystals.
Shale-30%, as above.
- 8850-8860'
Sandstone-40%, as above.
Shale-60%, as above.
- 8860-8900'
Sandstone-40%, predominately salt and pepper, occasionally speckled, light gray, milky, clear, firm to medium to very fine grained, sub-angular to angular, unconsolidated to firm to friable, well sorted, slightly tight, some with fair porosity, predominately quartzitic, slightly calcareous, occasionally loose, clear, coarse grained, sub-rounded, quartz crystals.

- 8860-8900' (cont.)
Shale-60%, medium to dark to light gray, light brown, lavender, brick red, yellow brown, orange brown, black, carbonaceous, firm to hard, blocky, occasionally flaky, silty in part, slightly calcareous.
- 8900-8910' Sandstone-20%, as above.
Shale-80%, as above.
- 8910-8950' Sandstone-30%, predominately salt and pepper, occasionally light gray, fine to medium to very fine grained, angular to sub-angular, hard, tight, calcareous, slightly feldspar, slightly quartzitic, occasionally loose, clear, coarse grained, sub-rounded, quartz crystals.
Shale-70%, predominately dark to medium gray, some brick red, medium to light brown, black and carbonaceous, lavender, buff, light gray, white, firm to hard, blocky, occasionally platy, slightly calcareous.
Siltstone-trace, light gray, hard, blocky, calcareous.
- 8950-8970' Sandstone-50%, as above.
Shale-50%, as above.
- 8970-9020' Sandstone-20%, as above.
Shale-80%, as above.
- 9020-9030' Sandstone-50%, salt and pepper, light gray, predominately fine to medium grained, occasionally very fine grained, sub-angular to angular, slightly firm to friable, slightly unconsolidated, well sorted, trace to fair porosity, slightly calcareous, quartzitic and feldspar.
Shale-50%, as above.
- 9030-9050' Sandstone-30%, as above.
Shale-70%, predominately dark to medium gray, some tan, buff, brick red, black and carbonaceous, light to medium brown, lavender, yellow brown, or. brown, occasionally pyritic in part, occasionally with coal.
Siltstone-trace, light gray, hard, blocky, calcareous.
- 9050-9080' Siltstone-20%, salt and pepper, light gray, milky, predominately medium to very fine grained, occasionally fine grained, angular to sub-angular, hard to firm, well sorted, tight, calcareous, predominately feldspar.
Shale-80%, as above.

- 9080-9100' Sandstone-30%, as above.
- Shale-70%, predominately medium to dark gray, some buff, light brown, brick red, or brown, yellow brown, maroon, firm to hard, blocky to flaky to hackly, occasionally black and carbonaceous, slightly calcareous, occasionally pyritic, in part.
- 9100-9170' Sandstone-10%, as above.
- Shale-90%, as above.
- Coal-trace.
- 9170-9180' Sandstone-20%, salt and pepper, milky, light gray, predominately fine grained, occasionally medium to very fine grained, sub-angular to angular, firm to hard, well sorted, tight, feldspar and quartzitic, occasionally loose, clear, coarse grained, angular, quartz crystals.
- Shale-80%, as above.
- 9180-9190' Sandstone-30%, as above.
- Shale-70%, predominately dark to medium to light gray, some brick red, buff, yellow brown, light brown, black and carbonaceous, firm to hard to brittle, blocky to flaky to hackly, occasionally splintery and platy, fissile in part, some with coal in part, slightly calcareous, occasionally pyritic in part.
- 9190-9200' Sandstone-10%, as above.
- Shale-90%, as above.
- 9200-9240' Sandstone-20%, light to medium gray, white, salt and pepper, fine to very fine to medium grained, sub-angular to angular, firm, well to moderately well sorted, tight, slightly calcareous predominately quartzitic.
- Shale-80%, as above.
- 9240-9250' Sandstone-50%, light gray, salt and pepper, speckled, fine to medium grained, occasionally very fine grained, sub-angular to angular, slightly firm, slightly unconsolidated, well sorted slightly tight, some with poor porosity, slightly calcareous, slightly feldspar, slightly quartzitic.
- Shale-50%, dark to medium gray, black and carbonaceous, brick red, buff, firm, brittle, flaky to fissile to blocky, occasionally hackly in part, occasionally with coal in part.
- Coal-trace.
- 9250-9300' Sandstone-60%, salt and pepper, milky, light gray, predominately medium to fine grained, occasionally very fine grained, sub-angular to sub-rounded, predominately unconsolidated, occasionally

- 9250-9300' Sandstone-(cont.)
firm, well sorted, predominately with poor to fair porosity,
occasionally tight, occasionally calcareous, predominately
quartzitic.
- Shale-40%, predominately medium gray, occasionally light to
dark gray, tan, light brown, blocky to flaky, brittle in part,
occasionally black and carbonaceous, occasionally calcareous.
- 9300-9320' Sandstone-10%, as above.
- Shale-90%, as above.
- Coal-trace.
- 9320-9330' Sandstone-30%, white, salt and pepper, clear, fine to medium
grained, sub-rounded to sub-angular, occasionally round, firm
to friable to unconsolidated, well sorted, slightly tight, some
with poor porosity, predominately calcareous, feldspar and
quartzitic.
- Shale-70%, as above.
- 9330-9350' Sandstone-20%, as above, occasionally light gray, very fine grained.
- Shale-80%, predominately dark to medium gray, black, carbonaceous,
slightly light brown, brick red, buff, yellow brown, firm to hard
to brittle, flaky to splintery to blocky, occasionally hackly,
fissile in part, slightly calcareous.
- 9350-9370' Sandstone-40%, salt and pepper, light gray, medium to fine to
very fine grained, sub-angular to angular, firm, occasionally
friable, well to moderately well sorted, tight, predominately
calcareous, quartzitic and feldspar, occasionally loose, clear,
sub-angular, quartz crystals.
- Shale-60%, as above.
- 9370-9380' Sandstone-50%, as above.
- Shale-50%, predominately dark gray, black, carbonaceous,
occasionally light to medium brown, maroon, light green, brick
red, light gray, white firm to hard to brittle, flaky to
splintery to blocky, calcareous in part.
- 9380-9390' Sandstone-70%, salt and pepper, light gray, medium to fine
grained, sub-angular to angular, firm, occasionally friable,
with moderately well sorted, slightly tight, some with poor
porosity, predominately calcareous, predominately quartzitic.
- Shale-30%, as above.
- 9390-9420' Sandstone-60%, as above.
- Shale-40%, as above.

- 9420-9450' Sandstone-70%, milky, salt and pepper, occasionally light gray, medium to fine grained, occasionally very fine grained, sub-rounded to sub-angular to angular, slightly firm to hard, slightly unconsolidated, predominately moderately well sorted, occasionally well sorted, slightly tight, some with poor to fair porosity, slightly calcareous, predominately feldspar, glauconitic.
- Shale-30%, predominately medium to dark gray, black, carbonaceous, occasionally brick red, maroon, yellow brown, firm to brittle, occasionally hard, blocky to flaky, hackly in part, slightly calcareous.
- 9450-9460' Sandstone-60%, as above.
- Shale-40%, as above.
- 9460-9490' Sandstone-70%, milky, salt and pepper, medium to fine grained, sub-rounded to sub-angular, predominately hard, slightly firm, slightly unconsolidated, well sorted, predominately tight, occasionally with fair porosity, predominately calcareous, quartzitic and feldspar.
- Shale-30%, as above.
- 9490-9500' Sandstone-20%, salt and pepper, light gray, milky, predominately fine grained, occasionally very fine to medium grained, sub-rounded, occasionally angular, firm to hard, well sorted, tight, occasionally trace porosity, very calcareous, glauconitic, quartzitic.
- Shale-80%, medium to dark to light gray, light green-gray, brick red, or. brown, light brown, tan, black, carbonaceous, firm to brittle, blocky to flaky, slightly calcareous, occasionally sandy.
- Pyrite-trace.
- 9500-9520' Sandstone-30%, as above.
- Shale-70%, as above.
- 9520-9530' Sandstone-60%, light gray, salt and pepper, occasionally milky, predominately fine grained, some very fine to medium grained, sub-rounded, firm to friable, well sorted, slightly tight, some with poor porosity, predominately calcareous, quartzitic.
- Shale-40%, medium to dark to light gray, or. brown, occasionally maroon, tan, yellow brown, firm to brittle, flaky to blocky to platy, calcareous.

- 9530-9540' Sandstone-40%, predominately milky, salt and pepper, occasionally light gray to clear, fine to medium grained, occasionally very fine grained, sub-rounded to sub-angular, occasionally round, slightly firm to friable, slightly unconsolidated, slightly tight, some with poor to fair porosity, slightly calcareous.
- Shale-60%, as above.
- 9540-9550' Sandstone-20%, as above.
- Shale-80%, predominately medium to dark gray, occasionally black and carbonaceous, brick red, brown, firm to brittle, flaky to blocky, occasionally splintery and hackly in part, slightly calcareous, slightly sandy in part.
- 9550-9570' Sandstone-50%, salt and pepper, light gray, fine to medium grained, occasionally very fine grained, sub-angular to angular, firm to hard, well sorted, tight, calcareous, predominately feldspar.
- Shale-50%, as above.
- 9570-9580' Sandstone-40%, as above.
- Shale-60%, predominately dark to medium gray, occasionally brick red, firm to hard, brittle, blocky, occasionally flaky, hackly in part, slightly calcareous, some with coal, slightly black and carbonaceous.
- 9580-9610' Sandstone-60%, predominately salt and pepper, light gray, occasionally clear, milky, fine to medium grained, occasionally very fine grained, sub-angular to sub-rounded, firm to hard, occasionally unconsolidated, well sorted, slightly tight, some with poor porosity, predominately calcareous, feldspar and quartzitic, occasionally glauconitic, occasionally loose, clear, coarse grained, sub-rounded, quartz crystals.
- Shale-40%, as above.
- 9610-9630' Sandstone-70%, as above.
- Shale-30%, dark to medium to light gray, occasionally buff, brick red, black and carbonaceous, light green to gray, firm to hard, slightly brittle, slightly blocky, slightly flaky to platy, hackly in part, slightly calcareous, occasionally silty, occasionally sandy, occasionally with coal in part.
- 9630-9650' Sandstone-60%, as above.
- Shale-40%, as above.
- 9650-9660' Sandstone-10%, as above.
- Shale-90%, predominately medium dark gray, occasionally black

PACIFIC TRANSMISSION SUPPLY COMPANY
Natural Gas Corporation of California

85 South 200 East
Vernal, Utah 84078
(801) 789-4573

May 9, 1980

Mr. E. W. Gynn (3)
GEOLOGICAL SURVEY-CONSERVATION DIV.
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, UT 84104

Mr. Frank M. Hamner (1)
DIVISION OF OIL, GAS & MINING
1588 West North Temple
Salt Lake City, UT 84116

Mr. L. Stanley (1)
CHORNEY OIL COMPANY
401 Lincoln Tower Bldg.
Denver, CO 80395

Mr. J. Milton Wege (1)
RALPH E. DAVIS & ASSOCIATES
500 Jefferson, Suite 2031
Houston, TX 77002

Re: PTS #23-17 Federal
Sand Ridge II Unit
Section 17, T8S, R23E
Uintah County, UT

Gentlemen:

Enclosed are your required number of copies of Form 9-331, Sundry Notices and Reports on Wells, Notice of Intention of Perform Completion Operations dated May 9, 1980 for the above referenced well.

Very truly yours,

ORIGINAL SIGNED
BY: R. J. FIRTH

R. J. Firth
Petroleum Engineer

RJF/kh
Encls.

cc: J. L. Wroble
E. R. Henry
E. E. Mulholland
C. T. Clark (Cover Letter Only)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-0143276

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL ☐ GAS ☒ OTHER ☐

2. NAME OF OPERATOR

Pacific Transmission Supply Company

3. ADDRESS OF OPERATOR

P.O. Box 3093, Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface1980¹ FSL, 2031¹ FWL, NE 1/4 SW 1/4, Section 17, T8S, R23E

7. UNIT AGREEMENT NAME

Sand Ridge II Unit

8. FARM OR LEASE NAME

Federal

9. WELL NO.

23-17

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Section 17, T8S, R23E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5387¹ KDB

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) Perform Completion Operations ☒PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

Operator proposes to commence completion operations as outlined in the attached Completion Procedures. No additional surface disturbance or damage will result from these operations with a completion rig. Operations are expected to commence about May 14, 1980 and will continue for approximately 30 days.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MININGDATE: 5-21-80BY: M. J. MinderRECEIVED
MAY 16 1980DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

ORIGINAL SIGNED

BY: R. J. FIRTH

R. J. Firth

TITLE

Petroleum Engineer

DATE May 9, 1980

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

3-USGS, SLC, UT; 1-OG&M, UT; 1-Chorney; 1-Ralph Davis; 1-JLWroble; 1-ERHenry; 1-EEMulholland

*See Instructions on Reverse Side

COMPLETION PROGRAM
PTS #23-17 Federal
Sand Ridge II Unit

Location: NE 1/4 SW 1/4, Section 17, T8S, R23E

Elevation: 5372' Gr.
5387' KB

Total Depth: 10,012'

Plugged Back Total Depth: 9965' estimated

Production Casing: 5-1/2", 17.0# & 20.0#, K55 and N80 landed with guide shoe at 10,012', float collar at 9967' and stage collar at 5035'. Unable to utilize cementing stage collar due to improper depth placement in casing string.

40 joints, 17.0# N-80 1586.80'
203 joints, 20.0# K-55 8432.24'

Cemented thru casing shoe with 1500 sacks regulated fillup cement with 0.1% retarder, 5#/sack Kolite and 10% gel. Displaced 446 bbls. 13.9#/gal. cement slurry with water. Preceded cement slurry with 10 bbls. preflush spacer 1000 and 10 bbls. mud flush. Bumped plug with 2850#, float held. Good circulation throughout job.

Casing Data: 5-1/2", 20.0#, K-55

Collapse strength	6150 psi
Burst strength	6320 psi
Capacity	.0222 bbls/ft.
Casing annulus capacity with 2-7/8" EUE tubing	.0141 bbls/ft.

Casing Data: 5-1/2", 17.0#, N-80

Collapse strength	6280 psi
Burst strength	7740 psi
Casing Capacity	.0232 bbls/ft.
Casing annulus capacity with 2-7/8" EUE tubing	.0152 bbls/ft.

Tubing Data: 2-7/8" EUE, 6.50#, K-55

Burst strength	7260 psi
Capacity	.00579 bbls/ft.

Completion Procedures
PTS #23-17 Federal

1. Move in and rig up completion unit and equipment.
2. Cut off 5-1/2" casing, install tubing head assembly and pressure test.
3. Nipple up 6"-5000 psi BOP equipment and pressure test.
4. PU 2-7/8" EUE tubing with tubing collar on bottom of first joint in the hole. Tally tubing in hole to tag stage collar at 5035'. Set sufficient weight on stage collar plugs to assure that the stage collar is in the closed position. POOH with tubing.
5. RIH with 4-5/8" bit, casing scraper and 2-7/8" EUE tubing. Drill thru stage collar at 5035' and pressure test casing. Consider swabbing well to detect fluid entry or leakage thru stage collar.
6. Continue to PU tubing and clean out to PBTD at about 9965'.
7. Displace hole with 2% potassium chloride water. Pressure test casing to 4000 psi for 15 minutes.
8. Pull tubing, scraper and bit.
9. RU logging and run Cement Bond log with Gamma and collar correlation from PBTD thru intervals as necessary to determine cement top. Estimated TOC at 6000'.
10. Run tubing and packer to about 9800'. Perforate with through-tubing perforating equipment 9868'-74' (6') and 9878'-84' (6') with 1 SPF (CNL/FDC log depths).
Check Gamma Ray log interval 9928'-42' to determine additional interval to possibly be perforated at this time.
11. Swab and flow test perforated interval to obtain accurate rate and volume information. Acidize perforated intervals with about 75-100 gals. per ft./perforated interval using ball sealers to assure fluid distribution. Swab and flow test.
12. Following a sufficient flow testing period, analyze results pertaining to water production to determine further completion procedures.
 - a) Excessive water production would necessitate plugging the perforated intervals by squeezing or setting a cast iron bridge plug with cement.
 - b) Minor water production would allow perforating and completion of additional intervals to continue by using a retrievable bridge plug and packer.

Completion Procedures
PTS #23-17 Federal

13. The following additional intervals are recommended for perforating, acidizing and flow testing:
- a) 9370'-76' (6') 1 SPF
9422'-28' (6') 1 SPF
9444'-54' (10') 1 SPF
 - b) 8260'-68' (8') 1 SPF
8426'-34' (8') 1 SPF
8488'-96' (8') 1 SPF
 - c) 7126'-36' (10') 1 SPF
7172'-82' (10') 1 SPF
7285'-95' (10') 1 SPF

Perforating depths are from the Schlumberger CNL-FDC log and should be correlated with the Gamma Ray Collar log prior to perforating.

14. Utilize a packer and bridge plug for interval isolation while performing these operations. Acidizing operation should be conducted using 75-100 gallons per foot/perforations with ball sealers to divert fluid for proper distribution to the entire perforated intervals. Accurate flow test information should be obtained for each interval.
15. Fracturing operations may be determined following evaluation of individual interval test results.

5/9/80

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-0143276

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Sand Ridge II Unit

8. FARM OR LEASE NAME

Federal

9. WELL NO.

23-17

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Section 17, T8S, R23E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

1.

OIL ☐ GAS ☒ OTHER ☐
WELL WELL

2. NAME OF OPERATOR

Pacific Transmission Supply Company

3. ADDRESS OF OPERATOR

P.O. Box 3093, Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)
At surface

1980' FSL, 2031' FWL, NE 1/4 SW 1/4, Section 17, T8S, R23E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5387' KDB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Plug-back Operations

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

TD 10,012' PBTD 9970'

5-1/2", 17.0# & 20.0#, K55 and N80 production casing at 10,012' and cemented with 1500 sacks cement.

Perforated Mesaverde formation 9868'-74' (6'), 9878'-84' (6') and 9924'-30' (6') with 1 SPF. Acidized with 1500 gals. 7-1/2% HCl acid at 4 bpm rate and 3900 psig pressure. Swabbed and flow tested for 5 day period at 1/2 bwph with weak gas blow at TSTM. Set cast iron bridge plug at 9850' with 5 sacks cement on top. Estimated plugged-back depth at 9800'. Prepared to proceed with further completion operations of Mesaverde formation.

Above described plug-back procedures discussed with and approved by Mr. Raffoul, USGS, Salt Lake City, May 30, 1980.

RECEIVED
JUN 12 1980DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

R. J. Firth

TITLE

Petroleum Engineer

DATE June 10, 1980

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

3-USGS,UT; 1-OG&M,UT; 1-Chorney; 1-DeGolyer & MacNaughton; 1-JCOsmond; 1-ERHenry;
1-DEBeardsley

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-0143276

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Sand Ridge II Unit

8. FARM OR LEASE NAME

Federal

9. WELL NO.

23-17

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Section 17, T8S, R23E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)1. OIL ☐ GAS ☒ OTHER ☐
WELL WELL

2. NAME OF OPERATOR

Pacific Transmission Supply Company

3. ADDRESS OF OPERATOR

P.O. Box 3093, Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1980' FSL, 2031' FWL, NE 1/4 SW 1/4, Section 17, T8S, R23E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5387' KDB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Plug-back Operations

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*

TD 10,012' PBD 9800'

5-1/2", 17.0# & 20.0# K55 & N80 production casing at 10,012' and cemented with 1500
sacks cement.

Perforated Mesaverde formation 9370'-76' (6'), 9422'-28' (6'), and 9444'-54' (10')
with 1 SPF. Acidized with 2000 gals 7-1/2% HCl acid at 4-1/2 bpm rate and 3600 psig
pressure. Swabbed and flow tested for 5 day period at 1 bwpd and 27-38 MCF/D gas rate.
Set cast iron bridge plug at 9350' with 5 sacks cement on top. Estimated plugged-back
depth at 9300'. Continued completion operations of Mesaverde formation.

Above described plug-back procedures discussed with and approved by Mr. R. A. Henricks,
USGS, Salt Lake City, June 16, 1980.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. J. PIRU

TITLE

Petroleum Engineer

DATE

June 17, 1980

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

3-USGS, UT; 1-Chorney; 1-DeGolyer & MacNaughton; 1-JCOsmond; 1-ERHenry;
1-DEBeardsley; 1-RBoschee

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. U-0143276	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Natural Gas Corporation of California (Pacific Transmission Supply Co.)		7. UNIT AGREEMENT NAME Sand Ridge II	
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078		8. FARM OR LEASE NAME Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FSL, 2031' FWL, NE 1/4 SW 1/4, Section 17, T8S, R23E At top prod. interval reported below At total depth		9. WELL NO. 23-17	
14. PERMIT NO. 43-047-30623		10. FIELD AND POOL, OR WILDCAT Wildcat	
DATE ISSUED 9-24-79		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 17, T8S, R23E	
15. DATE SPUDDED 12-27-79		12. COUNTY OR PARISH Uintah	
16. DATE T.D. REACHED 4-10-80		13. STATE Utah	
17. DATE COMPL. (Ready to prod.) 6-22-80		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5372' GL, 5387' KB	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 10,012'	
21. PLUG, BACK T.D., MD & TVD 9965'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY 206'-10,012'		ROTARY TOOLS 0-206'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 8260'-8496' Lower Wasatch		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN DI-SFL, CNL-FDC, BHC, GRCC-CBL		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
13-3/8"	48.0	206'	17-1/2"
9-5/8"	36.0, 40.0,		
	43.5, 53.5	2512'	12-1/4"
5-1/2"	17.0, 20.0	10,012'	7-7/8"
29. LINER RECORD		30. TUBING RECORD	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
			SCREEN (MD)
31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Attached Sheet		DEPTH INTERVAL (MD)	
		AMOUNT AND KIND OF MATERIAL USED	
33. PRODUCTION			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	
Shut in		Flowing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD
6-22-80	24	26/64"	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.
50			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		TEST WITNESSED BY	
		L. D. Johnson	
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED R. G. Hirth		TITLE District Supt.	
		DATE Nov. 19, 1980	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Green River		
				Evacuation Ck.	1710'	
				Parachute Ck.	3050'	
				Wasatch Transition	5514'	
				Wasatch	6020'	
				Mesaverde	8450'	

#23-17 Sand Ridge II Unit
Attachement to Well Completion Report

31. Perforation Record

8260'-68'	(8')	1 SPF
8426'-34'	(8')	1 SPF
8488'-96'	(8')	1 SPF
Cast iron bridge plug at 9350' w/5 sk cement		
9370'-76'	(6')	1 SPF
9422'-28'	(6')	1 SPF
9444'-54'	(10')	1 SPF
Cast iron bridge plug at 9850' w/5 sk cement		
9868'-74'	(6')	1 SPF
9878'-84'	(6')	1 SPF
9924'-30'	(6')	1 SPF

32. Acid, Shot, Fracture, Cement Squeeze, Etc.

<u>Depth</u>	<u>Material</u>
8260'-68', 8426'-34' & 8488'-96'	2000 gals. 7½% acid.
9370'-76', 9422'-28' & 9444'-54'	2000 gals. 7½% acid.
9868'-74', 9878'-84' & 9924'-30'	1500 gals. 7½% acid.

**NATURAL GAS CORPORATION
OF CALIFORNIA**

85 South 200 East
Vernal, Utah 84078
(801) 789-4573

November 19, 1980

Mr. E. W. Guynn
Geological Survey-Conservation Div.
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, UT 84104

Mr. L. S. Stanley
Chorney Oil Company
401 Lincoln Tower Bldg.
Denver, CO 80295

~~Mr.~~ Frank M. Hamner
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, UT 84116

DeGolyer & MacNaughton
No. 1 Energy Square
Dallas, TX 75206
Attn: Bob Gilmore

RECEIVED

NOV 20 1980

DIVISION OF
OIL, GAS & MINING

Re: PTS #23-17 Federal, Sand Ridge II
NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 17, T8S, R23E
Uintah County, Utah

Gentlemen:

Enclosed are your copies of the Well Completion or Recompletion Report,
Form 9-330, submitted 11/19/80 for the above referenced well.

Sincerely,



R. J. Firth
District Supt.

RJF/kh

Encls.

cc: J. C. Bendler
R. Boschee
C. T. Clark (Cover Letter Only)
E. R. Henry
J. M. Kunz

- 9650-9660' Shale-(Cont)
and carbonaceous, light to medium brown, brick red, firm to hard, slightly brittle, flaky to blocky, hackly in part, slightly calcareous.
- 9660-9670' Sandstone-50%, salt and pepper, occasionally milky, light gray, predominately medium to fine grained, occasionally very fine grained, sub-angular to sub-rounded, occasionally round, hard, slightly well sorted, some moderately well sorted, occasionally poorly sorted, tight, calcareous, occasionally loose, clear, coarse grained, round to sub-rounded, quartz crystals.
Shale-50%, as above.
- 9670-9750' Sandstone-30%, as above.
Shale-70%, predominately dark to medium gray, occasionally tan, brick red, maroon, black and carbonaceous, light green, firm to hard, occasionally brittle, blocky to flaky, occasionally hackly in part, slightly calcareous, some with coal in part, occasionally silty.
- 9750-9760' Sandstone-20%, salt and pepper, light to medium gray, tan, fine to medium grained, occasionally very fine grained, sub-angular to angular, occasionally sub-rounded, predominately hard, occasionally firm, well sorted, tight, calcareous, occasionally glauconitic.
Shale-80%, predominately dark to medium gray, black and carbonaceous, occasionally light brown, brick red, maroon, hard to firm, blocky to flaky, hackly in part, occasionally fissile in part, slightly calcareous, with coal in part.
Coal-trace.
- 9760-9770' No Sample.
- 9770-9810' Sandstone-20%, as above.
Shale-80%, as above.
- 9810-9820' Sandstone-30%, as above.
Shale-70%, as above.
- 9820-9830' Sandstone-40%, as above.
Shale-60%, predominately dark to medium gray.
Coal-trace.

- 9830-9840' Sandstone-50%, salt and pepper, light to medium gray, white, fine to medium grained, occasionally very fine grained, sub-angular to sub-rounded, firm, well to moderately well sorted, tight, calcareous, feldspar and quartzitic, occasionally loose, clear to milky, coarse grained, sub-rounded, quartz crystals.
- Shale-50%, as above.
- 9840-9880' Sandstone-40%, as above.
- Shale-60%, dark to medium gray, black and carbonaceous, occasionally light brown, brick red, firm to brittle, blocky to flaky, hackly and splintery in part, occasionally calcareous, some with coal in part, occasionally fissile in part.
- Coal-trace.
- 9880-9900' Sandstone-60%, white, occasionally light gray, fine grained, sub-angular, firm, friable in part, occasionally with trace porosity, calcareous, feldspar.
- Shale-40%, as above.
- 9900-9920' Sandstone-10%, as above.
- Shale-90%, medium to dark gray, brick red, maroon, light to medium brown, light green, or brown, tan, firm to hard, brittle, blocky to flaky, hackly to fissile in part, some with coal, slightly calcareous, feldspar.
- 9920-9930' Sandstone-30%, as above.
- Shale-70%, as above.
- 9930-9940' Sandstone-60%, white, occasionally light gray, predominately fine grained, occasionally medium grained, sub-angular, firm to friable, well sorted, tight, occasionally trace porosity, slightly calcareous, predominately feldspar.
- Shale-40%, medium to dark gray, occasionally brick red, yellow brown, firm to hard, blocky to flaky, hackly and fissile in part, sandy and silty in part, slightly calcareous, some with coal in part.
- 9940-9950' Sandstone-40%, as above.
- Shale-60%, as above.
- 9950-9960' Sandstone-40%, white, fine grained, occasionally medium grained, angular to sub-angular, firm to friable, trace of fair porosity, slightly calcareous, predominately feldspar, slightly loose, clear, milky, medium to coarse grained, sub-rounded to sub-angular, quartz crystals.
- Shale-60%, as above.

9960-9990'

Sandstone-60%, as above with trace fluorescent.

Shale-40%, medium to dark gray, occasionally brown, brick red, yellow brown, firm to hard, blocky to flaky, hackly to fissile in part, occasionally splintery, slightly calcareous, occasionally black and carbonaceous.

December 22, 1980

Natural Gas Corporation of California
85 South 200 East
Vernal, Utah 84078

RE: Well No. Sand Ridge Federal #23-17
Sec. 17, T. 8S, R. 23E.,
Uintah County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office November 19, 1980, from above referred to well indicates the following electric logs were run: VI-SFL, CIL-FDC, BHC, GRCC-CBL. As of today's date this office has not received the GRCC-CBL log.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

BARBARA HILL
WELL RECORDS

/bjh

Enclosures: forms

NATURAL GAS CORPORATION
OF CALIFORNIA

85 South 200 East
Vernal, Utah 84078 -
(801) 789-4573

January 22, 1981

Mr. E. W. Guynn
Geological Survey-Conservation Div.
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, UT 84104

Mr. Michael T. Minder
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, UT 84116

Mr. Bob Gilmore
DeGolyer & MacNaughton
No. 1 Energy Square
Dallas, TX 75206

Mr. L. S. Stanley
Chorney Oil Company
401 Lincoln Tower Bldg.
Denver, CO 80295

Re: PTS #23-17 Federal, Sand Ridge II
NE/4 SW/4 Section 17, T8S, R23E
Uintah County, Utah

Gentlemen:

Enclosed are copies of the Sundry Notices and Reports on Wells, Form 9-331,
Subsequent Report of Change of Operator for the above referenced well.

Sincerely,


R. J. Fifth
District Supt.

/kh

Encls.

cc: E. J. Gelwick
C. T. Clark
R. Boschee
E. R. Henry
J. M. Kunz

10. GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other ☐

2. NAME OF OPERATOR
Pacific Transmission Supply Company

3. ADDRESS OF OPERATOR
85 South 200 East, Vernal, UT 84078

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: *1980' FSL, 2031' FWL, NE/4 SW/4*
AT TOP PROD. INTERVAL: *Section 17, T8S, R23E*
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) <i>Change of Operator</i>		<input checked="" type="checkbox"/>

5. LEASE
U-0143276

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Sand Ridge II

8. FARM OR LEASE NAME
Federal

9. WELL NO.
23-17

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 17, T8S, R23E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

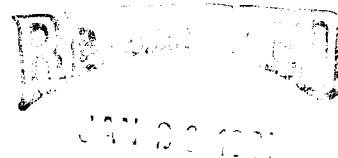
14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5387' KB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well Completion or Recompletion Report and Log submitted November 19, 1980 indicated the name of operator as Natural Gas Corporation of California. This report form should be changed to indicate the correct name of operator as Pacific Transmission Supply Company.



Subsurface Safety Valve: Manu. and Type _____

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED *R. F. Hirth* TITLE *District Supt.* DATE *January 22, 1981*

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

cc: USGS; UT Div. OG&M; E. R. Henry; E. J. Gelwick; C. T. Clark; R. Boschee;
J. M. Kunz; DeGolyer & MacNaughton; Chorney

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP
(Other instructions on reverse side)

Form approved
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	7. UNIT AGREEMENT NAME Sand Ridge II
2. NAME OF OPERATOR Natural Gas Corporation of California	8. LEASE DESIGNATION AND SERIAL NO. U-0143276
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078	9. IF INDIAN, ALLOTTEE OR TRIBE NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FSL 2031' FWL NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 17, T.8S., R.23E.	10. FIELD AND POOL, OR WILDCAT Wildcat
14. PERMIT NO.	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 17, T.8S., R.23E.
15. ELEVATIONS (Show whether DF, WT, OR, etc.) 5387' KB	12. COUNTY OR PARISH Uintah
	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
(Other) Request Temporary Surface Pit X	<input checked="" type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator requests an unlined surface pit per NTL-2B, Sec. VI. The subject pit would be used as a blow down pit when the well is flow tested.

If you require additional information, please contact me at our Vernal office - telephone 789-4573.

RECEIVED
NOV 23 1984

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED William A. Ryan TITLE Petroleum Engineer DATE November 15, 1984

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

Federal approval of this action
is required before commencing
operations.

TITLE

ACCEPTED
APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE:

BY:

*See Instructions on Reverse Side



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 15, 1985

Natural Gas Corporation of California
85 South 200 East
Vernal, Utah 84078

Gentlemen:

Re: Well No. Sand Ridge Unit 23-17 - Sec. 17, T. 8S., R. 23E.
Uintah County, Utah - API #43-047-30623

According to a Sundry Notice received by this office, the above referred to well is now operated by your company. We have not received the proper notification concerning this change.

If you have assumed operations, please submit a "Sundry Notice", Form OGC-1b, for this well with the name, address and phone number of the new operator and the date the change became effective. We have enclosed forms for your convenience.

Please submit this forms as soon as possible but not later than February 15, 1985.

Thank you for your cooperation in this matter.

Sincerely,

Claudia L. Jones
Well Records Specialist

Enclosures
cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File
0009S/34

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-0143276
2. NAME OF OPERATOR Natural Gas Company of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, Utah 84079		7. UNIT AGREEMENT NAME SAND RIDGE II
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1980' FSL & 2031' FWL NE/SW		8. FARM OR LEASE NAME FEDERAL
14. PERMIT NO. 43-047-30623		9. WELL NO. 23-17
15. ELEVATIONS (Show whether OF, ST, GR, etc.) 5387' KB		10. FIELD AND POOL, OR WILDCAT
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC 17, T8S, R23E
		12. COUNTY OR PARISH HINTAH
		13. STATE UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) CHANGE OF OPERATOR <input checked="" type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

This will notify you that the operator of the subject well has been changed from Pacific Transmission Supply to Natural Gas Corporation of California.

18. I hereby certify that the foregoing is true and correct

SIGNED

Kathy Krutson

TITLE Technical Assistant

DATE 1-17-85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*Natural Gas
Corporation of
California*

RECEIVED
JAN 21 1985

January 17, 1985

DIVISION OF
OIL, GAS & MINING

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attn: Claudia Jones, Well Records Specialist

SUBJECT: Moccasin Trail Unit 13-30
Section 30, T15S, R25E

Sand Ridge Unit 23-17
Section 17, T8S, R23E

Sand Ridge Unit 23-11
Section 11, T9S, R23E

Attached is Form OGC-1b, Sundry Notices and Reports on Wells, notifying you of the change of operator on the Sand Ridge 23-17 well from Pacific Transmission Supply Company to Natural Gas Corporation of California. This change has been in effect for quite some time, sorry it was overlooked to sent out official notification.

The Sand Ridge Unit 23-11 and the Moccasin Trail 13-30 are still operated by Pacific Transmission Supply Company. Attached are amended copies of the Sundries submitted under the wrong operator name for these two wells. Any questions should be directed to this address.

Very truly yours,

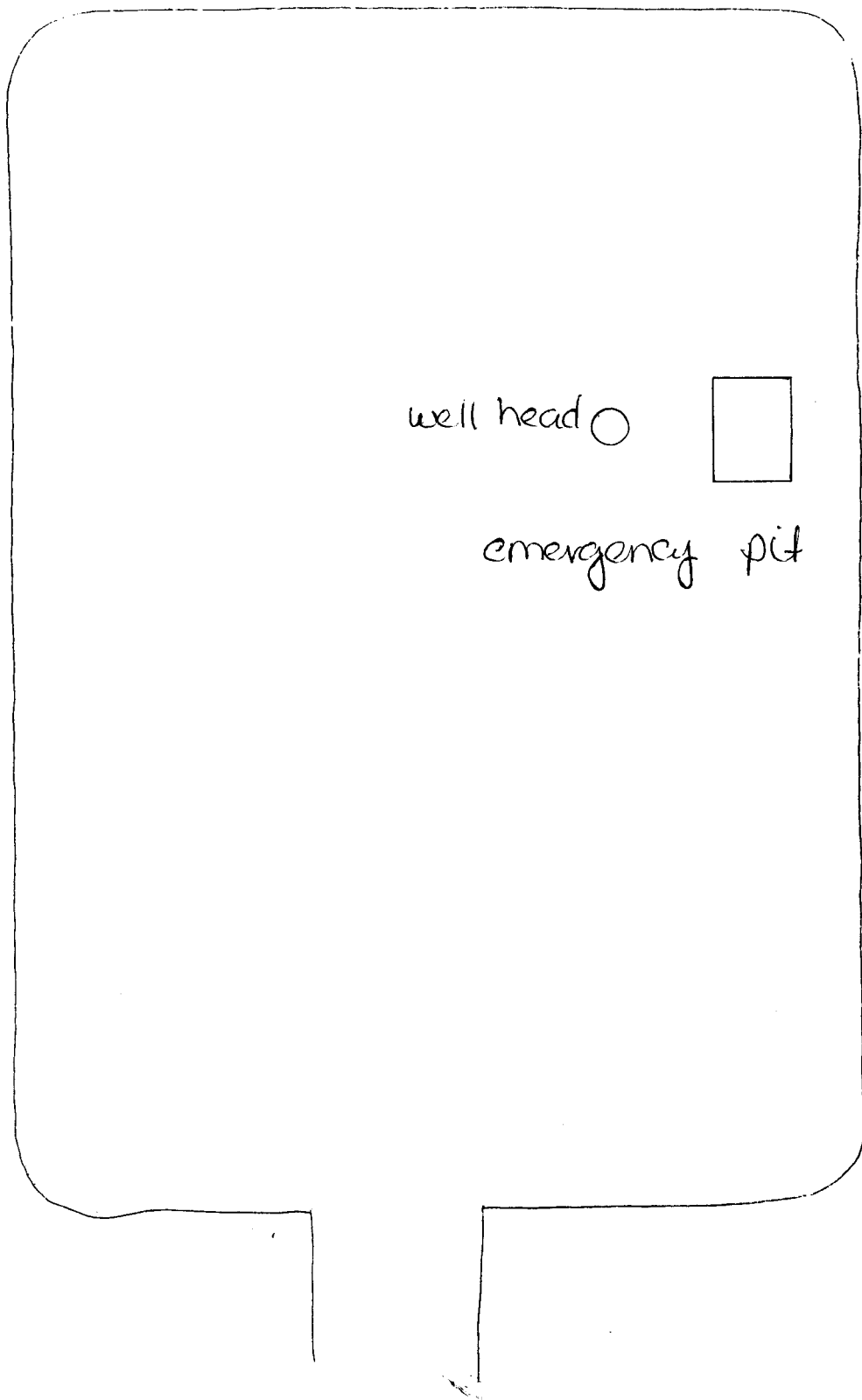
Kathy Knutson

Kathy Knutson
Technical Assistant

/kk
attachments

cc: Files

Id 23-17 Sand Ridge Sect. T8S, R23E Publy 4/5/89



NGC
Energy
Company

2001 Bryan Tower
Suite 953
Dallas, Texas 75201
(214) 742-2396

RECEIVED
JUN 21 1989

June 12, 1989

Dear Operator/Vendor:

NGC Energy Company has changed its' name to PG&E Resources Company and has relocated its' corporate headquarters from Concord, California to Dallas, Texas. All invoices and correspondence currently mailed to Concord, California should now be addressed to:

PG&E RESOURCES COMPANY
2001 Bryan Tower, Suite 953
Dallas, TX 75201

PG&E Resources Company's Rocky Mountain Regional office will continue to operate in Vernal, Utah. Please mail all invoices and correspondence pertaining to the Rocky Mountain region to:

PG&E RESOURCES COMPANY
85 South 200 East
Vernal, UT 84078

All remittances should be mailed to:

PG&E RESOURCES COMPANY
P. O. Box 840274
Dallas, Texas 75284-0274

PG&E Resources Company federal tax identifying number is 94-2882054.

Should you need any additional information, please contact Patti Sanders, Accounts Payable Supervisor.

Sincerely,


Keith H. Perkins
Vice President Controller

KHP/chs

6-06-89

NGC Energy Co : Natural Gas Corp
of CA are one in the same
company. talked w/ Mr. Perkins
he indicated both companies
should reflect the chg. NGC Co.
will send a chg. of op. from
Natural Gas Corp to NGC.

JAS

UTAH
NATURAL RESOURCE
Oil, Gas & Mining355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut
84180-1203. • (801-538-5340)Page 2 of 3

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• NATURAL GAS CORP OF CA
85 SOUTH 200 EAST
VERNAL UT 84078
ATTN: PROD. ACCOUNTING

Utah Account No. N0700Report Period (Month/Year) 5 / 89Amended Report ☐

Well Name			Producing	Days	Production Volume		
API Number	Entity	Location	Zone	Oper	Oil (BBL)	Gas (MSCF)	Water (BBL)
FEDERAL 23-5-G			GRRV				
4301331207	06105	09S 16E 5					
NGC FED 32-5G			GRRV				
4301330670	06110	09S 16E 5					
FEDERAL 42-4			GRRV				
4301330638	06115	09S 16E 4					
SE FLANK UINTAH 1-28			DKTA				
4304730126	06121	15S 22E 28					
FEDERAL 24-22			WSTC				
4304730610	06124	08S 22E 22					
NGC 33-2H STATE			GRRV				
4304731195	06125	09S 17E 2					
STATE 23-17 SAND RIDGE			WSTC				
4304730623	06126	08S 23E 17					
STATE NGC 11-16			GRRV				
4301330616	06130	09S 17E 16					
NGC 22-20			GRRV				
4304731356	06135	08S 22E 20					
NGC 12-8H FEDERAL			GRRV				
4301330680	06140	09S 17E 8					
FED NGC 21-15			GRRV				
4301330614	06145	09S 17E 15					
NGC 24-15H FEDERAL			GRRV				
4301330681	06150	09S 17E 15					
NGC 33-18J			GRRV				
4304731200	06155	09S 19E 18					
TOTAL							

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.

Date _____

Authorized signature _____

Telephone _____

PLEASE COMPLETE FORMS IN BLACK INK

January 18, 1991

RECEIVED
JAN 22 1991
DIVISION OF
OIL, GAS & MINING

State of Utah
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Lisha Romero

RE: Change of Operator

Gentlemen:

Effective October 1, 1990, PG&E Resources Company sold several leases and associated wells to:

Prodco, Inc.
5690 DTC Blvd., Suite 240E
Englewood, Colorado 80111
Attention: Mr. Garr Roberts
(303) 741-5030

Assignments of the involved leases have been sent to the Division of Lands and Forestry or the BLM, as necessary, for approval.

Enclosed is a schedule of all of the wells involved in this sale. The wells formerly operated by PG&E Resources Company (high-lighted) will now be operated by Prodco, Inc.

Very truly yours,



Douglas P. Cullen
Senior Landman

/saw

Enclosure

cc: Garr Roberts
Prodco, Inc.

Attachment 1
 Bill of Sale from PG&E Resources Company to ProdcO, Inc. dated effective October 1, 1990
 Well List
 GLEN BENCH AREA
 Township 6S through 10S, Range 21E through 24E
 Uintah County, Utah

<u>Well</u>	<u>Product</u>	<u>Location</u>	<u>W.I.</u>	<u>R.I.</u>	<u>Status Feb., '90</u>	<u>Operator</u>
43-047-31355 - 13-20 Glen Bench	Oil	NWSW 20-8S-22E	0.6667	0.55667	Producing	PG&ER
2-32 W. Walker State	Gas	NWNE 32-6S-22E	0.0 BPO 0.5 APO	0.05 BPO 0.4125 APO	Never Completed	Snyder
43-047-31356 - 22-20 Glen Bench	Oil	SEnw 20-8S-22E	0.3333	0.2883	S.I.	PG&ER
43-047-31260 - 22-30 Glen Bench	Oil	SEnw 30-8S-22E	0.6667	0.55667	S.I.	PG&ER
23-11 Sand Ridge	Gas	NESW 11-9S-23E	0.0	0.05667	S.I.	Alta Energy
43-047-30623 - 23-17 Sand Ridge	Gas	NESW 17-8S-23E	1.0 BPO 0.667 APO (300%)	0.825 BPO 0.550275% APO (300%)	Never Completed	PG&ER
23-20 Devil's Playground	Oil	NESW 20-9S-24E	0.0	0.05	S.I.	Dirty Devil L.P.

Attachment 1
 Bill of Sale from PG&E Resources Company to ProdcO, Inc. dated effective October 1, 1990
 Well List
 GLEN BENCH AREA
 Township 6S through 10S, Range 21E through 24E
 Uintah County, Utah

<u>Well</u>	<u>Product</u>	<u>Location</u>	<u>W.I.</u>	<u>R.I.</u>	<u>Status Feb., '90</u>	<u>Operator</u>
43-047-31007 — 23-21 Glen Bench	Gas	NESW 21-8S-22E	1.0 BPO 0.6667 APO	0.835 BPO 0.55667 APO	Never Completed	PG&ER
23-25 Sand Ridge	Gas	NESW 25-8S-23E	0.0	0.056667	Never Completed	Alta Energy
43-047-30610 — 24-22 Glen Bench	Gas	SESW 22-8S-22E	1.0 BPO 0.6667 APO	0.835 BPO 0.55667 APO	Producing	PG&ER
31-18 Hall	Gas	NWNW 31-8S-22E	0.1671	0.13952	Producing	Conoco
43-047-31433 — 31-20 Glen Bench	Oil	NWNE 20-8S-22E	0.333	0.2883	Producing	PG&ER
43-047-31008 — 31-30 Glen Bench	Oil	NWNE 30-8S-22E	1.0 BPO 0.6667 APO	0.835 BPO 0.55667 APO	S.I.	PG&ER
31-32 D & E	Gas	SESE 31-8S-22E	0.5	0.4176525	Producing	Conoco
43-047-31022 — 34-27 Glen Bench	Gas	SWSE 27-8S-22E	0.8571431	0.715714	Never Completed	PG&ER

Attachment 1
 Bill of Sale from PG&E Resources Company to Prodeo, Inc. dated effective October 1, 1990
 Well List
 GLEN BENCH AREA
 Township 6S through 10S, Range 21E through 24E
 Uintah County, Utah

<u>Well</u>	<u>Product</u>	<u>Location</u>	<u>W.I.</u>	<u>R.I.</u>	<u>Status Feb., '90</u>	<u>Operator</u>
43-047-3125 7 — 44-19 Glen Bench	Oil	SESE 19-8S-22E	0.6667	0.556667	S.I.	PG&ER
5-21 Federal	Oil	SWNW 21-7S-21E	0.0 BPO 0.333 APO	0.0334 BPO 0.273306 APO	Producing	Lomax
56-29 Chapita	Gas	NESW 29-9S-23E	0.2222	0.1827778	Producing	Enron
32-1 Stirrup State (Apcot)	Oil	NWNE 32-6S-21E	0.0	0.04667	Producing	TXO
32-2 Stirrup State (Apcot)	Oil	SENE 32-6S-21E	0.0	0.04667	Producing	TXO
32-4 Stirrup State (Apcot)	Gas	NWNE 32-6S-21E	0.0	0.04667	Producing	TXO
1 Raging Bull	Oil	NESW 26-8S-24E	0.0 BPO 0.25 APO	0.04 BPO 0.20625 APO	S.I.	Gilmore Oil & Gas

252

Attachment 1
 Bill of Sale from PG&E Resources Company to Prodc, Inc. dated effective October 1, 1990
 Well List
 GLEN BENCH AREA
 Township 6S through 10S, Range 21E through 24E
 Uintah County, Utah

<u>Well</u>	<u>Product</u>	<u>Location</u>	<u>W.I.</u>	<u>R.I.</u>	<u>Status Feb., '90</u>	<u>Operator</u>
28-1 Conoco State	Gas	SESE 28-8S-25E	0.0	0.05	S.I.	---
32-2 Conoco State	Oil	NENE 32-8S-23E	0.0	0.05	S.I.	---
41-9 Devil's Playground	Gas	NENE 9-9S-24E	0.0	0.03667	Producing	EPS
23-17 Dirty Devil	Gas	NESW 17-9S-24E	0.0	0.05	Producing	Dirty Devil L.P.
1-18 Devil's Playground	Gas	NWNE 18-9S-24E	0.0	0.03333	Producing	EPS
11-29 Dirty Devil	Gas	NWNW 29-9S-24E	0.0	0.06333	Producing	Dirty Devil L.P.
31-15A Dirty Devil	Gas	NWNE 15-9S-24E	0.0	0.05667	---	Dirty Devil L.P.



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

January 18, 1991

Mr. Garr Roberts
Prodco, Inc.
5690 DTC Blvd., Suite 240E Tower
Englewood, Colorado 80111

Dear Mr. Roberts:

Re: Operator Change, PG&E Resources Company to Prodco, Inc. - Uintah County, Utah

In reviewing the operator change for the referenced companies, it was determined that your company is not currently registered with the Utah Department of Commerce. This letter is written to advise you of your responsibility to register your company with the state prior to conducting business within Utah. This can be accomplished by contacting:

Department of Commerce
Division of Corporations
160 East 300 South
Salt Lake City, Utah 84111
(801) 530-4849

Sincerely,

Lisha Romero
Administrative Analyst

cc: Dept. of Commerce
D. T. Staley
R. J. Firth
Operator Change File
WE76

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT **TRIPPLICATE**
 (Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to surface and re-completing.
 Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____ 2. NAME OF OPERATOR Production Operating and Development Co., Inc., dba "PRODCO, Inc." 3. ADDRESS OF OPERATOR 5690 DTC Blvd., Suite 240E, Englewood, Colorado 80111 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <p align="center">See Below</p>		5. LEASE DESIGNATION AND SERIAL NO. 6. IF INDIAN, ALLOTTEE OR TRIBE NAME 7. UNIT AGREEMENT NAME Glen Bench 8. FARM OR LEASE NAME Glen Bench Federal 9. WELL NO. See Below 10. FIELD AND POOL, OR WILDCAT Glen Bench 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA See Below 12. COUNTY OR PARISH 13. STATE Uintah Utah	
14. PERMIT NO. _____		15. ELEVATIONS (Show whether OF, RT, CR, etc.) _____	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐

PULL OR ALTER CASING

☐

FRACTURE TREAT

☐

MULTIPLE COMPLETE

☐

SHOOT OR ACIDIZE

☐

ABANDON*

☐

REPAIR WELL

☐

CHANGE PLANN

☐

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐

REPAIRING WELL

☐

FRACTURE TREATMENT

☐

ALTERING CASING

☐

SHOOTING OR ACIDIZING

☐

ABANDONMENT*

☐

(Other)

*NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. **DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

PRODCO, Inc. has purchased PG&E Resources interests and has assumed operations of the following wells under Bond #UT-0808 effective December 1, 1990

	API #	Lease #
1. Glen Bench Federal 23-17 NE/SW SEC 17, T8S, R22W ^{22E}	43-047-30623	U-0143276
2. Glen Bench Federal 13-20, NW/SW SEC 20 T8S, R22W ^E	43-047-31355	U-9617
3. Glen Bench Federal 22-20, SE//NW SEC 20 T8S, R22W ^E	43-047 31356	U-055
4. Glen Bench Federal 31-20, NW/NE, SEC 20, T8S, R22W ^E	43-047-31433	U-055
5. Glen Bench Federal 44-19, SE/SE, SEC 19 T8S, R22W ^E	43-047-31257	U-9617
6. Glen Bench Federal 23-21, NE/SW SEC 21 T8S, R22W ^E	43-047-31007	U-28652
7. Glen Bench Federal 24-22, SE/SW SEC 22, T8S, R22W ^E	43-047-30610	U-28652
8. Glen Bench Federal 34-27, NW/SE, SEC 27, T8S, R22W ^E	43-047--31022	U-28652
9. Glen Bench Federal 22-30, SE/NW, SEC 30, T8S, R22W ^E	43-047- 31260	U-9617
10. Glen Bench Federal 31-30, NW/NE, SEC 30, T8S, R22W ^E	43-047-31008	U-9617

18. I hereby certify that the foregoing is true and correct

SIGNED

Gary R. Roberts

TITLE

President

DATE

1/21/91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET

Routing:

1- LCR	<input checked="" type="checkbox"/>
2- DTSDTS	<input checked="" type="checkbox"/>
3- VLC	<input checked="" type="checkbox"/>
4- RJF	<input checked="" type="checkbox"/>
5- RWM	<input checked="" type="checkbox"/>
6- LCB	<input checked="" type="checkbox"/>

Attach all documentation received by the Division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-9-91 ****12-24-90**)

TO (new operator)	<u>PRODCO, INC.</u>	FROM (former operator)	<u>PG&E RESOURCES COMPANY</u>
(address)	<u>5690 DTC BLVD, STE 240E TOWER</u>	(address)	<u>5950 BERKSHIRE LANE #600</u>
	<u>ENGLEWOOD, CO 80111</u>		<u>DALLAS, TX 75225</u>
	<u>GARR ROBERTS</u>		
phone	<u>(303) 721-7750</u>	phone	<u>(214) 750-3823</u>
account no.	<u>N1320 (1-23-91)</u>	account no.	<u>N0595</u>

Well(s) (attach additional page if needed):

Glen Bench-Knit

Name: <u>GLEN BENCH 31-30 / GRRV</u>	API: <u>4304731008</u>	Entity: <u>6045</u>	Sec <u>30</u> Twp <u>8S</u> Rng <u>22E</u>	Lease Type: <u>U-9617</u>
Name: <u>NGC FED 44-19 / GRRV</u>	API: <u>4304731257</u>	Entity: <u>6045</u>	Sec <u>19</u> Twp <u>8S</u> Rng <u>22E</u>	Lease Type: <u>U-9617</u>
Name: <u>NGC 13-20 / GRRV</u>	API: <u>4304731355</u>	Entity: <u>6045</u>	Sec <u>20</u> Twp <u>8S</u> Rng <u>22E</u>	Lease Type: <u>U-9617</u>
Name: <u>NGC 22-30 / GRRV</u>	API: <u>4304731260</u>	Entity: <u>6050</u>	Sec <u>30</u> Twp <u>8S</u> Rng <u>22E</u>	Lease Type: <u>U-9617</u>
Name: <u>GLEN BENCH 23-21 / MVRD</u>	API: <u>4304731007</u>	Entity: <u>6054</u>	Sec <u>21</u> Twp <u>8S</u> Rng <u>22E</u>	Lease Type: <u>U-28652</u>
Name: <u>FEDERAL 24-22 / WSTC</u>	API: <u>4304730610</u>	Entity: <u>6124</u>	Sec <u>22</u> Twp <u>8S</u> Rng <u>22E</u>	Lease Type: <u>U-28652</u>
Name: <u>FED 23-17 SAND RIDGE / WSTC</u>	API: <u>4304730623</u>	Entity: <u>6126</u>	Sec <u>17</u> Twp <u>8S</u> Rng <u>23E</u>	Lease Type: <u>U-01432</u>

OPERATOR CHANGE DOCUMENTATION

- 1 (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (*Reg. 1-18-91 / Susan Walker*) (*Rec. 1-22-91*)
- 2 (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (*Reg. 1-18-91 / Barr Roberts*) (*Rec. 1-24-91*)
- 3 The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes no) NO If yes, show company file number: (Letter mailed 1-18-91)
- 4 (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- 5 Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (*1-28-91*)
- 6 Cardex file has been updated for each well listed above.
- 7 Well file labels have been updated for each well listed above.
- 8 Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- 9 A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes) no NO (If entity assignments were changed, attach copies of Form 5, Entity Action Form). Entity 6045 - Grav A P.A. 6124 - WSTC A P.A. Other wells - single entity - ok!
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) _____. Today's date _____ 19____. If yes, division response was made by letter see dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases.

INDEXING

1. All attachments to this form have been microfilmed. Date: January 30 1991.

FILED

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

REMARKS

9/10/22 Bfm/Versnel Changes have been approved "Glen Beach Unit" includes leases
(^{Parts} 11-9617, 11-28652, 11-055) eff. 1-9-91. Lease 11-0143276 eff. 12-24-90. (Not a unit well)
This lease is not a part of "Glen Beach Unit" but was also approved by
Bfm eff. 1-9-91.

1- LCR
2- DTS
3- VLC
4- RJF
5- RWM
6- LCR

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-9-91)

TO (new operator)	<u>PRODCO, INC.</u>	FROM (former operator)	<u>PG&E RESOURCES COMPANY</u>
(address)	<u></u>	(address)	<u></u>
	<u></u>		<u></u>
	<u></u>		<u></u>
phone ()	<u></u>	phone ()	<u></u>
account no. <u>N</u>		account no. <u>N</u>	

Well(s) (attach additional page if needed):

Name: <u>NGC 22-20/GRRV</u>	API: <u>4304731356</u>	Entity: <u>6135</u>	Sec <u>20</u> Twp <u>8S</u> Rng <u>22E</u>	Lease Type: <u>U-055</u>
Name: <u>FEDERAL 31-20/GRRV</u>	API: <u>4304731433</u>	Entity: <u>6196</u>	Sec <u>20</u> Twp <u>8S</u> Rng <u>22E</u>	Lease Type: <u>U-055</u>
Name: <u>GLEN BENCH 34-27/DRL</u>	API: <u>4304731022</u>	Entity: <u>10880</u>	Sec <u>27</u> Twp <u>8S</u> Rng <u>22E</u>	Lease Type: <u>U-2865</u>
Name: <u></u>	API: <u></u>	Entity: <u></u>	Sec <u></u> Twp <u></u> Rng <u></u>	Lease Type: <u></u>
Name: <u></u>	API: <u></u>	Entity: <u></u>	Sec <u></u> Twp <u></u> Rng <u></u>	Lease Type: <u></u>
Name: <u></u>	API: <u></u>	Entity: <u></u>	Sec <u></u> Twp <u></u> Rng <u></u>	Lease Type: <u></u>
Name: <u></u>	API: <u></u>	Entity: <u></u>	Sec <u></u> Twp <u></u> Rng <u></u>	Lease Type: <u></u>

OPERATOR CHANGE DOCUMENTATION

1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) If yes, show company file number: .
4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above.
6. Cardex file has been updated for each well listed above.
7. Well file labels have been updated for each well listed above.
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- ☒ 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) ____.
Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

1. All attachments to this form have been microfilmed. Date: _____ 19____.

INDEXING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

REMARKS



5690 DTC Boulevard • Suite 240 East • Englewood, CO 80111 • (303) 721-7750 • FAX (303) 741-6817

October 1, 1991

State of Utah
Oil, Gas, & Mining
3 Triad Center Suite 350
Salt Lake City, Utah 84180-1203

(N1320)

PRODCO INC. has a change of address that needs to be changed in your office for correspondence concerning the following leases and wells that PRODCO INC. is the operator of:

- | | |
|---------------------------|---|
| 1. Lease # UTU0143276 | Well- Sand Ridge 23-17 43-047-30623, S. 17, T. 8S, R. 22E |
| 2. Lease # UTU055 | Well- Glen Bench 22-20 43-047-31356, S. 20, T. 8S, R. 22E |
| | Glen Bench 31-20 43-047-31433, S. 20, T. 8S, R. 22E |
| 3. Lease # UTU28652 | Well- Glen Bench 23-21 43-047-31007, S. 21, T. 8S, R. 22E |
| | Glen Bench 34-27 43-047-31022, S. 27, T. 8S, R. 22E |
| 4. Lease # UTU9617 | Well- Glen Bench 22-30 43-047-31260, S. 30, T. 8S, R. 22E |
| 5. Agreement # 891018087A | Well- Glen Bench 24-22 43-047-30610, S. 22, T. 8S, R. 22E |
| 6. Agreement # 891018087B | Well- Glen Bench 31-30 43-047-31005, S. 30, T. 8S, R. 22E |
| | Well- Glen Bench 44-19 43-047-31257, S. 19, T. 8S, R. 22E |
| | Well- Glen Bench 13-20 43-047-31355, S. 20, T. 8S, R. 22E |

The new address will be:

PRODCO INC.
18053 East Belleview Place
Aurora, Colo. 80015

(303)693-2200

If I can be of further assistance, please feel free to contact me at any time.

Thank You,

Garr R. Roberts
President

RECEIVED

OCT 24 1991

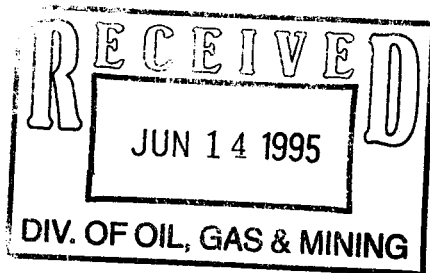
DIVISION OF
OIL GAS & MINING

*911030 updated for



LB INDUSTRIES, INC.
OIL & GAS DIVISION

June 12, 1995



Bureau of Land Management
Vernal District
170 South 500 East
Vernal, Utah 84078-2799

Attention: Mr. Howard B. Cleavinger II

Re: Federal #23-17
Lease U-0143276
Uintah County, Utah

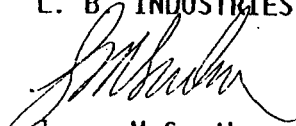
Dear Mr. Cleavinger:

Enclosed are two (2) sets of Sundry Notices, in triplicate, relating to Change of Operator for the captioned well for your review and approval.

Should you have any questions or need additional information, please advise.

Very truly yours,

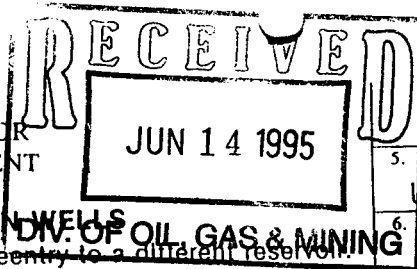
L. B. INDUSTRIES, INC.


James M. Scribner
Land Manager

JMS/sp
Encl.

cc: Division of Oil, Gas & Mining
Dept. of Natural Resources & Energy
3 Triad Center, #350
355 West North Temple
Salt Lake City, UT 84180-1203

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
L. B. Industries, Inc. (303) 790-8340

3. Address and Telephone No.
12200 E. Briarwood Ave., Suite 250, Englewood, CO 80112

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1980' FSL and 2031' FWL (NE $\frac{1}{4}$ SW $\frac{1}{4}$)
Section 17, T8S-R23E

5. Lease Designation and Serial No.
U-0143276

6. If Indian, Allottee or Tribe Name

8. Well Name and No.
Federal 23-17

9. API Well No.
43-047-30623

10. Field and Pool, or Exploratory Area
Sand Ridge

11. County or Parish, State
Uintah County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Change of Operator
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This is to notify you that L. B. Industries, Inc. has agreed to take over operations of the subject well from Prodco, Inc.

Bond coverage for this well is provided by BLM Bond No. UT-0976 via surety consent as provided for in 43 CFR 3104.2. It is understood that the BLM will hold L. B. Industries, Inc. and the aforementioned bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

All future correspondence pertaining to this well should be forwarded to:

L. B. Industries, Inc.
12200 E. Briarwood Ave., Suite 250
Englewood, CO 80112-6702
(303) 790-8340

14. I hereby certify that the foregoing is true and correct

Signed Charles D. Williams Title

Charles D. Williams
Vice President

Date 6-12-95

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

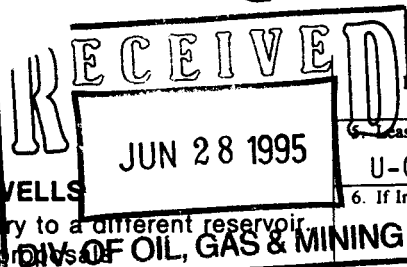
Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

U-0143276
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

L. B. Industries, Inc.

(303) 790-8340

3. Address and Telephone No.

12200 E. Briarwood Ave., Suite 250, Englewood, CO 80112

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980' FSL and 2031' FWL (NE $\frac{1}{4}$ SW $\frac{1}{4}$)
Section 17, T8S-R23E

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Federal 23-17

9. API Well No.

43-047-30623

10. Field and Pool, or Exploratory Area

Sand Ridge

11. County or Parish, State

Uintah County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Change of Operator

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This is to notify you that L. B. Industries, Inc. has agreed to take over operations of the subject well from Prodco, Inc.

Bond coverage for this well is provided by BLM Bond No. UT-0976 via surety consent as provided for in 43 CFR 3104.2. It is understood that the BLM will hold L. B. Industries, Inc. and the aforementioned bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

All future correspondence pertaining to this well should be forwarded to:

L. B. Industries, Inc.
12200 E. Briarwood Ave., Suite 250
Englewood, CO 80112-6702
(303) 790-8340

14. I hereby certify that the foregoing is true and correct

Signed

Charles D. Williams
Vice President

Date

6-12-95

(This space for Federal or State office use)

Approved by
Howard B. Cleavinger II
Conditions of approval, if any:

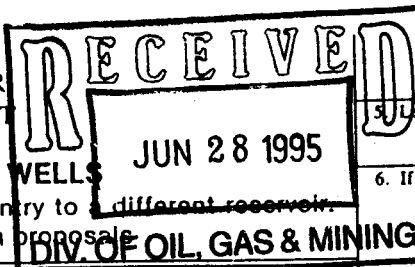
Title

ASSISTANT DISTRICT
MANAGER

Date

JUN 19 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-0143276
2. Name of Operator PRODCO, Inc.	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 518 - 17th Street, Suite 1070, Denver, CO	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1980' FSL and 2031' FWL (NE $\frac{1}{4}$ SW $\frac{1}{4}$) Section 17, T8S-R23E	8. Well Name and No. Federal 23-17
	9. API Well No. 43-047-30623
	10. Field and Pool, or Exploratory Area Sand Ridge
	11. County or Parish, State Uintah County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Change of Operator</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

THIS IS TO NOTIFY YOU THAT L. B. INDUSTRIES, INC. HAS AGREED TO ASSUME OPERATIONS OF THE SUBJECT WELL.

ALL FUTURE CORRESPONDENCE PERTAINING TO THIS WELL SHOULD BE ADDRESSED TO THE FOLLOWING:
L. B. INDUSTRIES, INC.
12200 E. BRIARWOOD AVE., SUITE 250
ENGLEWOOD, CO 80112-6702
(303) 790-8340

cc: UTAH DIVISION OF OIL, GAS & MINING
SALT LAKE CITY, UT

14. I hereby certify that the foregoing is true and correct

Signed

Title

Garr R. Roberts
President

Date

6-12-95

(This space for Federal or State office use)

Approved: **HOWARD B. CLEAVINGER II**
Conditions of approval, if any:

Title

ASSISTANT DISTRICT
MANAGER, MINING

Date

JUN 19 1995

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1- DEC 7-PL	✓
2-LWP 8-SJ	✓
3- DEC 9-FILE	✓
4-VLC	✓
5-RJF	✓
6-LWP	✓

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

*BLM APRV DATE

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 6-19-95)

TO (new operator) L B INDUSTRIES INC
 (address) 12200 E BRIARWOOD STE 250
ENGLEWOOD CO 80112-6702
CHARLES WILLIAMS
 phone (303) 790-8340
 account no. N 4840

FROM (former operator) PRODCO INC
 (address) 518 17TH ST STE 1070
DENVER CO 80202
GARR ROBERTS
 phone (303) 571-0200
 account no. N 1320

Well(s) (attach additional page if needed):

Name: <u>FED 23-17 SAND RIDGE/WS</u>	API: <u>43-047-30623</u>	Entity: <u>6126</u>	Sec <u>17</u> Twp <u>8S</u> Rng <u>23E</u>	Lease Type: <u>U0143276</u>
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Loc 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 6-28-95)
- Loc 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 6-14-95)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____
- Loc 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Loc 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (6-28-95)
- Exp 6. Cardex file has been updated for each well listed above. 6-29-95
- Exp 7. Well file labels have been updated for each well listed above. 6-29-95
- Loc 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (6-28-95)
- Loc 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- ☒ 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A ☒ 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- ☐ 2. A copy of this form has been placed in the new and former operators' bond files.
- ☐ 3. The former operator has requested a release of liability from their bond (yes/no) _____. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A ☒ 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving **State leases**.

FILMING

- ☒ 1. All attachments to this form have been microfilmed. Date: July 3 1995.

FILING

- ☐ 1. Copies of all attachments to this form have been filed in each well file.
- ☐ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1001-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

U-0143276

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Federal 23-17

9. API Well No.

43-047-30623

10. Field and Pool, or Exploratory Area

Sand Ridge

11. County or Parish, State

Uintah County, Utah

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

L. B. Industries, Inc.

(303) 790-8340

3. Address and Telephone No.

12200 E. Briarwood Ave., Suite 250, Englewood, CO 80112-6702

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980' FSL & 2031' FWL (NE $\frac{1}{4}$ SW $\frac{1}{4}$)
Section 17, T8S, R23E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Change of Operator
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This is to notify you that PRODCO, Inc. has agreed to assume operations of the subject well.

All future correspondence pertaining to this well should be addressed to the following:

PRODCO, Inc.
518 - 17th Street, Suite 1070
Denver, CO 80202

VERNAL DIST.

REG. 247

GEOL. _____

E.S. _____

PET. _____

A.M. _____

14. I hereby certify that the foregoing is true and correct

Signed

Charles D. Williams

Title

Charles D. Williams

Vice President

Date

2-15-96

(This space for Federal or State office use)

Approved by

HOWARD B. CLEAVINGER II

Title

ASSISTANT DISTRICT
MANAGER MINING

Date

MAR 08 1996

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side



IN REPLY REFER TO:
3162.3
UT08438

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal District Office
170 South 500 East
Vernal, Utah 84078-2799

Phone: (801) 781-4400
Fax: (801) 781-4410

March 7, 1996

Prodco, Inc.
Attn: Garr Roberts
518 17th Street Suite 1070
Denver, CO 80202

Re: Federal 23-17
NESW, Sec. 17, T8S, R21E
Lease U-0143276
Uintah County, Utah

Dear Mr. Roberts:


This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Production Operating & Development Co., Inc (Prodco, Inc.) is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT0808, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Pat Sutton of this office at (801) 789-1362.

Sincerely,

/s/ HOWARD B. CLEAVINGER II

Howard B. Cleavinger II
Assistant District Manager for
Minerals Resources

cc: L. B. Industries, Inc.


Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

Routing:

1- LEC 7-SJ
2- DEC 8-FILE
3-VLD
4-RJE
5-LEC
6-FILM

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 3-1-96)

TO (new operator) **PRODCO INC**
(address) **518 17TH ST STE 1070**
DENVER CO 80202

phone (303) 571-0200
account no. N 1320

FROM (former operator) **L B INDUSTRIES INC**
(address) **12200 E BRIARWOOD STE 250**
ENGLEWOOD CO 80112-6702

phone (303) 790-8340
account no. N 4840

Well(s) (attach additional page if needed):

Name: <u>GLEN BENCH 34-27/WSMVD</u>	API: <u>43-047-31022</u>	Entity: <u>10880</u>	Sec <u>27</u> Twp <u>8S</u> Rng <u>22E</u>	Lease Type: <u>U28652</u>
*Name: <u>FED 23-17 SAND RIDGE/WS</u>	API: <u>43-047-30623</u>	Entity: <u>6126</u>	Sec <u>17</u> Twp <u>8S</u> Rng <u>23E</u>	Lease Type: <u>U0143276</u>
Name: <u>GLEN BENCH 23-21/MVRD</u>	API: <u>43-047-31007</u>	Entity: <u>6054</u>	Sec <u>21</u> Twp <u>8S</u> Rng <u>22E</u>	Lease Type: <u>U28652</u>
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Yec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 3-13-96)
- Yec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 3-13-96)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____
- Yec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Yec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (3-13-96)
- Yec 6. Cardex file has been updated for each well listed above. (3-13-96)
- Yec 7. Well file labels have been updated for each well listed above. (3-13-96)
- Yec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (3-13-96)
- Yec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- ___ 2. A copy of this form has been placed in the new and former operators' bond files.
- ___ 3. The former operator has requested a release of liability from their bond (yes/no) ___. Today's date _____ 19___. If yes, division response was made by letter dated _____ 19__.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A Yes 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19__, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- VDR 1. All attachments to this form have been microfilmed. Date: March 22 1996.

FILING

- ___ 1. Copies of all attachments to this form have been filed in each well file.
- ___ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

9/60313 BLM/Vernal Aprv. 3-7-96.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Coastal Oil & Gas Corporation

3a. Address

P.O. Box 1148, Vernal UT 84078

3b. Phone No. (include area code)

(435) -781-7023

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE SW Section 17-T8S-R23E 1980'FSL & 2031'FWL

5. Lease Serial No.

U-0143276

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

Sand Ridge II

8. Well Name and No.

Federal #23-17

9. API Well No.

43-047-30623

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Uintah

Utah

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other Install

Wellhead

Compressor

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Coastal Oil & Gas Corporation requests authorization to install a wellhead compressor on the subject well for approximately 6 months.

The compressor will be removed once the Kennedy Wash pipeline is installed and in operation.

RECEIVED

DEC 18 2000

DIVISION OF
OIL, GAS AND MINING

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

Federal Approval Of This
Action Is Necessary

COPY SENT TO OPERATOR

Date: 12-22-00
Initials: C/H

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Cheryl Cameron

Title

Sr. Regulatory Analyst

Date

12/12/00

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Office

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Coastal Oil and Gas Corporation

3a. Address

9 Greenway Plaza #2782 Houston, TX 77046

3b. Phone No. (include area code)

713-418-7152

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NESW of Section 17, T8S-R23E, S.L. B. & M.

FORM APPROVED

Budget Bureau No. 1004-0135

Expires July 31, 1996

5. Lease Serial No.

U-0143276

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

P.T.S. #23-17 Fed

9. API Well No.

4304730623

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Uintah, Utah

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other Change of Operator

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximated duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BLA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Prodco, Inc., advises, effective June 1, 2000, Coastal Oil & Gas Corporation will be the operator of the subject well:

Old Operator:

Production Operating & Development Company, d.b.a. Prodco, Inc.

518 17th Street, Suite 1070

Denver, Colorado, 80202

By: Garr Roberts

Garr Roberts, President

Coastal Oil & Gas Corporation hereby accepts the ownership of this well. Coastal Oil & Gas Corporation will be responsible under the terms and conditions of this lease for the operations conducted on the leased lands or portions thereof. Coastal Oil & Gas Corporation bond coverage is provided under BLM Nationwide Bond #U605382-9. Utah state bond coverage is U2644534 and state operator number is 17102.

RECEIVED

JUN 14 2000

DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Title

Date

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representation.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
Budget Bureau No. 1004-0135
Expires July 31, 1996

5. Lease Serial No.

U-0143276

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No

8. Well Name and No.

P.T.S. #23-17 Federal

9. API Well No.

4304730623

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Uinath County, Utah

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Coastal Oil & Gas Corporation

3a. Address

9 Greenway Plaza #2782 Houston, TX 77046

3b. PhoneNo. (include area code)

713-418-7152

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NESW of Section 17, T8S-R23E, S.L.B. & M.

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|--|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other <u>Change of</u> |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | <u>Operator</u> |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximated duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Please be advised that Coastal Oil & Gas Corporation ("Coastal"), is considered to be the Operator of Well No. 4304730623; NESW, Section 17, Township 8 South, Range 23 East; Lease UTU-0143276; Uinath County, Utah; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by BLM Nationwide Bond #U605382-9.

RECEIVED

AUG 01 2000

DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Cheryl Cameron

Title

Sr. Environmental Analyst

Date

7/23/00

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal District Office

170 South 500 East

Vernal, Utah 84078-2799

<http://www.blm.gov/utah/vernal>

Phone: (801) 781-4400

Fax: (801) 781-4410

IN REPLY REFER TO:

3162.3

UT08300

August 1, 2000

Coastal Oil & Gas Corp.
P. O. Box 1148
Vernal, Utah 84078

Re: Well No. Federal 23-17
NESW, Sec. 17, T8S, R23E
Lease No. U-0143276
Uintah County, Utah

Gentlemen:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Coastal Oil & Gas Corporation is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. WY2793, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Leslie Crinklaw of this office at (801) 781-4400.

Sincerely,

Jerry Kenczka
Petroleum Engineer
Minerals Division

cc: Prodco Incorporated
Division Oil, Gas, & Mining

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH		4-KAS ✓
2. CDW ✓		5-SP ✓
3. JLT		6-FILE

Enter date after each listed item is completed

X Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

Merger

The operator of the well(s) listed below has changed, effective:

6-1-2000**FROM:** (Old Operator):

PRODCO INC.

Address: 518 17th ST. STE 1070

DENVER, CO 80202

Phone: 1-(303)-571-1020

Account No. N1320

TO: (New Operator):

COASTAL OIL & GAS CORP

Address: 9 GREENWAY PLAZA # 2782

HOUSTON, TX 77046

Phone: 1-(303)-571-1020

Account N0230

CA No.

Unit:

WELL(S)

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
GLEN BENCH 23-21	43-047-31007	6054	21-08S-22E	FEDERAL	GW	P
FEDERAL 24-22	43-047-30610	6124	22-08S-22E	FEDERAL	GW	P
GLEN BENCH 34-27	43-047-31022	10880	27-08S-22E	FEDERAL	GW	P
FEDERAL 23-17 SAND RIDGE	43-047-30623	6126	17-08S-23E	FEDERAL	GW	P

OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/14/2000
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 08/01/2000
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 09-28-2000
4. Is the new operator registered in the State of Utah: YES Business Number: 608186-0143
5. If **NO**, the operator was contacted on: _____
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 08/01/2000
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator

change for all wells listed involved in a CA on: N/A

9. **Underground Injection Control ("UIC") Project:** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 09/28/2000
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 09/28/2000
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on:

STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: N/A

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: YES
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:

FILMING:

1. All attachments to this form have been **MICROFILMED** on: 2.26.01

FILING:

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filed in each well file on:

COMMENTS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Coastal Oil & Gas Corporation

3a. Address

P.O. Box 1148, Vernal UT 84078

3b. Phone No. (include area code)

(435) 781-7023

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW/SW Sec.17, T8S, R23E

1980' FSL & 2031' FWL

1781

5. Lease Serial No.

U-0143276

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Federal #23-17

9. API Well No.

43-047-30623

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

Uintah

Utah

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☒ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Subject Well placed on production 11/30/00.

Refer to attached Chronological Workover Report.

I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Cheryl Cameron

Title

Sr. Regulatory Analyst

Date **12/6/00**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make any statement or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED
DEC 11 2000
DIVISION OF
OIL, GAS AND MINING

**THE COASTAL CORPORATION
PRODUCTION REPORT**

CHRONOLOGICAL HISTORY

Page 1

FEDERAL 23-17

NATURAL BUTTES, SNYDER
UINTAH COUNTY, UT

WI: 100%

PBTD: 9350' PERFS: 7180' - 7190'

CSG: 5 1/4, 17# & 20# K-55 & N-80 LT&C@

10,012' 8/8THS

SPUD DATE:

APE DESCR, APE:

FORMATION:

CWC(M\$):

RE-FRAC WASATCH

11/15/00 PREP TO RIH W/ GAUGE RING.
MIRU. SICP: 2300#, SITP: 1700#. BLOW WELL DN. NU BOPE. POOH W/ 2 3/8" TBG.

11/16/00 PREP TO CO WELLBORE.
PROG: RIH & SET CIBP @ 7500'. DUMP 1 SX CMT ON CIBP. PRESS TST CSG TO 1,000#. HELD. RUN CBL/CCL/GR F/ 7500' - 5,000'. PU & SIH W/ CSG SCRAPER. EOT @ 4210'.

11/17/00 PREP TO BRK DN PERFS.
RIH W/ CSG SCRAPER TO 7050'. POOH. RIH & DUMP 12 GALS 15% HCL @ 7190'. PERF UPPER MESA VERDE F/ 7180' TO 7,190', 4 SPF, 40 HOLES. 0 PRESS. SIH W/ 5 1/2" PKR & 2 7/8" TBG. EOT @ 2104'.

11/18/00 SWBG.
F/ RIH W/ 2 7/8" N-80 TBG. SET PKR @ 7015'. EOT @ 7021' & SN @ 6984'. PRESS TESTED PKR TO 1,000#. BRK DN PERFS F/ 7180' - 7190' @ 1712# @ 1.6 BPM. PMP 20 BBLS IN FORMATION - ISIP: 754#, 5 MIN: 516#, 10 MIN: 435#, 15 MIN: 336#, 30 MIN: 251#. MTP: 2880#, ATP: 2850#, MTR: 7.7 BPM, ATR: 7.7 BPM. TOTAL LOAD 21 BBLS. IFL @ SURF. MADE 3 RUNS REC 21 BBLS. FFL @ 2400'.

11/19/00 SWBG.
SITP: 1100#. BLEW WELL DN. IFL @ 2400'. MADE 12 RUNS REC 24 BBLS. FFL @ SN @ 6984'. SI FEW.

11/21/00 FRACING.
SICP: 0#, SITP: 2300#. FLWD WELL ON A 20/64" CHK. THE FTP WENT F/ 2300# TO 75# IN 5 HRS. BLEW DN. RIH W/ SWAB & TAGGED SN @ 6980'. NO FLUID. POOH.

11/22/00 SWBG.
SICP: 0#. SITP: 2200#. FRACED 7180' - 7190' W/ 998 BBLS YF122 W/ 86,360# 20/40 W/ PROP NET. MTP: 7301#, MTR: 25.1 BPM, ATP: 5136#, ATR: 19.8 BPM. ISIP: 1648#. NET PRESS INCR: 948#, FG: 0.66. FLWD BACK OVERNIGHT. CP: 0#. TP: 950# TO 2#, CHK: 20/64" TO 64/64", BWPH - 157 TO 4, EST RATE 0 MCF, REC 382 BBLS W/ 571 BLWTR.

11/23/00 IFL @ SURF. SWABBED 19 RUNS IN 4 1/2 HRS WHEN WELL STARTED FLOWING.
FTP: 200# ON 32/64" CHK, BWPH: 20 TO 5, SAND - TRACE TO CLEAN. REC 125 BBLS W/ 303 BLWTR.

11/24/00 PUT TO SALE UP TBG. SPOT RATE 1200 MCF, TP: 1000#, 12/64" CHK, LP: 490#.

11/25/00 FLWD 523 MCF, 40 BW, FTP: 650#, 12/64" CHK, 24 HRS, LP: 370#.

11/26/00 FLWD 544 MCF, 80 BW, FTP: 360#, 20/64" CHK, 24 HRS, LP: 350#.

11/27/00 FLWD 400 MCF, 60 BW, FTP: 350#, 64/64" CHK, 24 HRS, LP: 350#.

11/28/00 FLOWBACK OR SWAB.
SICP: 0#. SITP: 350#. BLEW WELL DN. PUMPED 30 BBLS 2% KCL DN TBG. RLS 5 1/2" PKR @ 7024' & POOH LD TBG. RIH W/ NC, 1 JT, SN & 2 3/8" TBG. LANDED TBG @ 7146' W/ SN @ 7112'. ND BOP. NU WH.

11/29/00 TURN WELL TO SALES.
SITP: 680#, SICP: 450#. BLEW WELL DN. IFL @ 2000'. MADE 1 RUN & WELL STARTED FLWG. FLWD EST 400 MCF, CP: 675# TO 550#, FTP: 210# TO 200#, 24/64" CHK, BWPH: 5 TO 3.

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DEC 11 2000

**DIVISION OF
OIL, GAS AND MINING**

11/30/00

TURN WELL TO SALES.

SPOT PROD DATA: 352 MCFPD, FTP: 375#, CP: 650#, 4 BWPD, LP: 650#, CHK: 64/64".

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DEC 11 2000

**DIVISION OF
OIL, GAS AND MINING**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER _____

2. NAME OF OPERATOR:
El Paso Production Oil & Gas Company

3. ADDRESS OF OPERATOR: 8 South 1200 East CITY Vernal STATE Utah ZIP 84078 PHONE NUMBER: 435-789-4433

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

Exhibit "A"

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

COUNTY:

STATE:

UTAH

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE	
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Name Change</u>	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.

See Exhibit "A"

Bond # 400JU0708

Coastal Oil & Gas Corporation

NAME (PLEASE PRINT) John T. Elzner

TITLE Vice President

SIGNATURE

DATE 06-15-01

El Paso Production Oil & Gas Company

NAME (PLEASE PRINT) John T. Elzner

TITLE Vice President

SIGNATURE

DATE 06-15-01

(This space for State use only)

RECEIVED

JUN 19 2001

DIVISION OF
OIL, GAS AND MINING

State of Delaware
Office of the Secretary of State

PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

RECEIVED

JUN 1 2001

DIVISION OF
OIL, GAS AND MINING



Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

0610204 8100

AUTHENTICATION: 1061007

010162788

DATE: 04-03-01

CERTIFICATE OF AMENDMENT

OF

CERTIFICATE OF INCORPORATION

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST." so that, as amended, said Article shall be and read as follows:


"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL & GAS CORPORATION



David L. Siddall
Vice President

Attest:


Margaret E. Roark, Assistant Secretary

RECEIVED

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 11:00 AM 03/09/2001
010118394 - 0610204

JUN 19 2001

DIVISION OF
OIL, GAS AND MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

RECEIVED

JUL 12 2001

DIVISION OF
OIL, GAS AND MINING

In Reply Refer To:
3106
UTSL-065841
(UT-924)

JUL 10 2001

NOTICE

El Paso Production Oil & Gas Company : Oil and Gas
Nine Greenway Plaza :
Houston TX 77046-0095 :

Name Change Recognized

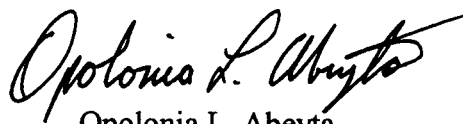
Acceptable evidence has been received in this office concerning the name change of Coastal Oil & Gas Corporation into El Paso Production Oil & Gas Company with El Paso Production Oil & Gas Company being the surviving entity.

For our purposes, the name change is recognized effective March 9, 2001.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Coastal Oil & Gas Corporation to El Paso Production Oil & Gas Company. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Wyoming and Colorado.



Opolonia L. Abeyta
Acting Chief, Branch of
Minerals Adjudication

Enclosure

1. Exhibit of Leases (1 pp)

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217
~~State of Utah~~ DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114
Teresa Thompson (UT-922)
Joe Incardine (UT-921)

Exhibit of Leases

UTUSL-065841A	UTU-47172	UTU-74415	UTU-53860
UTU-28652	UTU-50687	UTU-74416	UTU-66401
UTU-37943	UTU-52298	UTU-75091	UTU-67868
UTU-44089	UTU-0109054	UTU-75096	UTU-65389
UTU-44090A	UTU-0143511	UTU-75097	UTU-77084
UTU-61263	UTU-0143512	UTU-75673	UTU-61430
UTU-00343	UTU-38401	UTU-76259	UTU-72633
UTU-02651	UTU-38411	UTU-76260	UTU-72650
UTU-02651B	UTU-38418	UTU-76261	UTU-49692
UTU-0142175	UTU-38419	UTU-76493	UTU-57894
UTU-70235	UTU-38420	UTU-76495	UTU-76829
UTU-70406	UTU-38421	UTU-76503	UTU-76830
UTU-74954	UTU-38423	UTU-78228	UTU-76831
UTU-75132	UTU-38424	UTU-78714	
UTU-75699	UTU-38425	UTU-78727	
UTU-76242	UTU-38426	UTU-78734	
UTU-78032	UTU-38427	UTU-79012	
UTU-4377	UTU-38428	UTU-79011	
UTU-4378	UTU-53861	UTU-71694	
UTU-7386	UTU-58097	UTU-00576	
UTU-8344A	UTU-64376	UTU-00647	
UTU-8345	UTU-65222	UTU-01470D	
UTU-8347	UTU-65223	UTU-0136484	
UTU-8621	UTU-66746	UTU-8344	
UTU-14646	UTU-67178	UTU-8346	
UTU-15855	UTU-67549	UTU-8648	
UTU-25880	UTU-72028	UTU-28212	
UTU-28213	UTU-72632	UTU-30289	
UTU-29535	UTU-73009	UTU-31260	
UTU-29797	UTU-73010	UTU-33433	
UTU-31736	UTU-73013	UTU-34711	
UTU-34350	UTU-73175	UTU-46699	
UTU-34705	UTU-73434	UTU-78852	
UTU-37116	UTU-73435	UTU-78853	
UTU-37355	UTU-73444	UTU-78854	
UTU-37573	UTU-73450	UTU-075939	
UTU-38261	UTU-73900	UTU-0149767	
UTU-39223	UTU-74409	UTU-2078	
UTU-40729	UTU-74410	UTU-44426	
UTU-40736	UTU-74413	UTU-49530	
UTU-42469	UTU-74414	UTU-51026	

1. GLH		4-KAS
2. CDW ✓		5-LP ✓
3. JLT		6-FILE

Designation of Agent

X Merger

FROM: (Old Operator):
COASTAL OIL & GAS CORPORATION
Address: 9 GREENWAY PLAZA STE 2721
HOUSTON, TX 77046-0995
Phone: 1-(713)-418-4635
Account N0230

TO: (New Operator):
EL PASO PRODUCTION OIL & GAS COMPANY
Address: 9 GREENWAY PLAZA STE 2721 RM 2975B
HOUSTON, TX 77046-0995
Phone: 1-(832)-676-4721
Account N1845

Unit:

WELL(S)

[illegible]

OPERATOR CHANGES DOCUMENTATION

- | | | |
|----|---|---------------------------------------|
| 1. | (R649-8-10) Sundry or legal documentation was received from the FORMER operator on: | <u>06/19/2001</u> |
| 2. | (R649-8-10) Sundry or legal documentation was received from the NEW operator on: | <u>06/19/2001</u> |
| 3. | The new company has been checked through the Department of Commerce, Division of Corporations Database on: | <u>06/21/2001</u> |
| 4. | Is the new operator registered in the State of Utah: | YES Business Number: 608186-0143 |

5. If **NO**, the operator was contacted contacted on: N/A
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 07/10/2001
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: 07/10/2001
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: 07/10/2001
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 07/25/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 07/25/2001
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: N/A

FEDERAL BOND VERIFICATION:

1. Federal well(s) covered by Bond No.: WY 2793

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond No: N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: _____

FILMING:

1. All attachments to this form have been **MICROFILMED** on: _____

FILING:

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: _____

COMMENTS: Master list of all wells involved in operator change from Coastal Oil & Gas Corporation to El Paso Production Oil and Gas Company shall be retained in the "Operator Change File".

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

5. Lease Serial No.
U-0143276

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
SAND RIDGE UNIT

8. Well Name and No.
FEDERAL 23-17

9. API Well No.
43-047-30623

10. Field and Pool, or Exploratory
WILDCAT

11. County or Parish, and State
UINTAH COUNTY, UT

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
COASTAL OIL & GAS CORPORATION

Contact: SHEILA UPCHEGO
E-Mail: sheila.upchego@coastalcorp.com

3a. Address
1368 SOUTH 1200 EAST
VERNAL, UT 84078

3b. Phone No. (include area code)
Ph: 435.781.7024
Fx: 435.789.4436

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1781
Sec 17 T8S R23E Mer NESW 1980FSL-2034FWL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

COASTAL OIL & GAS CORPORATION REQUESTS AUTHORIZATION TO MOVE THE CURRENT COMPRESSOR FROM THE SUBJECT WELL, THE COMPRESSOR WILL BE MOVE TO THE KENNEDY WASH FEDERAL #14-1 NWSE SECTION 14-T8S-23E LOCATION. THE COMPRESSOR WILL BE PLACED ON THE KENNEDY WASH #14-1 ON A PERMANENT BASIS.

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: 8/13/01

By: Dobler Dent

Federal Approval Of This
Action Is Necessary

SENT TO OPERATOR
8-14-01
CLO

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #6325 verified by the BLM Well Information System
For COASTAL OIL & GAS CORPORATION, sent to the Vernal

Name (Printed/Typed) SHEILA UPCHEGO

Title OPERATIONS

Signature

Sheila Upchego

Date 08/09/2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

JAN. 17. 2003 3:34PM

TPORT

NO. 173

P. 2

**WESTPORT OIL AND GAS COMPANY, L.P.**

410 Seventeenth Street #2300 Denver Colorado 80202-4436
Telephone: 303 573 5404 Fax: 303 573 5409

February 1, 2002

Department of the Interior
Bureau of Land Management
2850 Youngfield Street
Lakewood, CO 80215-7093
Attention: Ms. Martha Maxwell

RE: BLM Bond CO-1203
BLM Nationwide Bond 158626364
Surety - Continental Casualty Company
Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Conversion of Westport Oil and Gas Company, Inc., into Westport Oil and Gas Company, L.P.
Assumption Rider - Westport Oil and Gas Company, L.P.

Dear Ms. Maxwell:

Pursuant to our recent conversations, please find the following list of enclosures for the BLM's consideration and approval:

Two (2) Assumption Riders, fully executed originals.
Copies of Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Copies of Westport Oil and Gas Company, Inc., conversion into Westport Oil and Gas Company, L.P.
List of all Federal/BIA/State Leases - Belco/Westport's leases - in all states.

Please inform us of any additional information needed to complete the change to Westport Oil and Gas Company, L.P., as operator of record.

I thank you for your assistance and cooperation in this matter. Please do not hesitate contacting the undersigned, should a question arise.

Sincerely,
Westport Oil and Gas Company, L.P.

Debby J. Black
Engineer Technician

Encl:



United States Department of the Interior **RECEIVED**

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

FEB 22 2002

DIVISION OF
OIL, GAS AND MINING

In Reply Refer To:

3106

UTU-25566 et al

(UT-924)

FEB 21 2002

NOTICE

Westport Oil and Gas Company L.P. : Oil and Gas
410 Seventeenth Street, #2300 :
Denver Colorado 80215-7093 :

Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of Westport Oil and Gas Company, Inc. into Westport Oil and Gas Company, L.P. with Westport Oil and Gas Company, L.P. being the surviving entity.

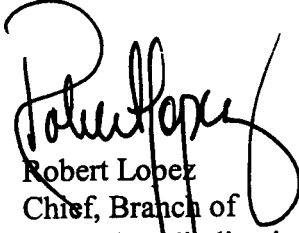
For our purposes, the name change is recognized effective December 31, 2001.

The oil and gas lease files identified have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Westport Oil and Gas Company, Inc. to Westport Oil and Gas Company, L.P.. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Colorado.

UTU-03405
UTU-20895
UTU-25566
UTU-43156
UTU-49518
UTU-49519
UTU-49522
UTU-49523



Robert Lopez
Chief, Branch of
Minerals Adjudication

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114
Teresa Thompson (UT-922)
Joe Incardine (UT-921)

memorandum

Branch of Real Estate Services
Uintah & Ouray Agency

Date: 5 December, 2002

Reply to
Attn of: Supervisory Petroleum Engineer

Subject: Modification of Utah Division of Oil, Gas and Mining Regulations

To: Director, Utah Division of Oil, Gas and Mining Division: John Baza


We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval of Change of Operator where Indian leases are involved.

We have no objection.

With further comment to Rulemaking, I wish to comment concerning the provision of Exhibits for upcoming Hearings. I would like to see the Uintah & Ouray Agency, BIA, and the Ute Indian Tribe, Energy & Mineral Resources Department added to the list of those parties that receive advance Exhibits so as to allow us to have research time prior to Hearing dates. We will be able to provide a more informed recommendation to the Oil, Gas and Mining Board. It would be best if we would receive only those Exhibits that concern Indian lands, specifically on or adjacent to Indian lands. This may be a difficult situation to attain, as it is not always clear where 'on or adjacent' occurs.

I am aware that you have gone to extra effort to correct this matter already, and I fully appreciate it. My request is intended only to allow the addition of Uintah & Ouray Agency and Ute Indian Tribe to the official listing.

We appreciate your concern, and hope that these comments are timely enough for consideration in the revision process.



CC: Minerals & Mining Section of RES
Ute Energy & Mineral Resources Department: Executive Director
chronos



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Washington, D.C. 20240

FEB 10 2003IN REPLY REFER TO:
Real Estate Services

Carroll A. Wilson
Principal Landman
Westport Oil and Gas Company, L.P.
1368 South 1200 East
Vernal, Utah 84078

Dear Mr. Wilson:

This is in response to your request for approval of RLI Insurance Company's Nationwide Oil and Gas Lease Bond No. RLB0005239 executed effective December 17, 2002, (\$150,000 coverage) with Westport Oil and Gas Company, L. P., as principal.

This bond is hereby approved as of the date of this correspondence and will be retained in the Bureau of Indian Affairs' Division of Real Estate Services, 1849 C Street, NW, MS-4512-MIB, Washington, D.C. 20240. All Bureau oil and gas regional offices and the surety are being informed of this action.

In cases where you have existing individual and/or collective bonds on file with one or more of our regional offices, you may now request those offices, directly, to terminate in lieu of coverage under this Nationwide Bond.

Enclosed is a copy of the approved bond for your files. If we may be of further assistance in this matter, please advise.

Sincerely,

Director, Office of Trust Responsibilities

ACTING

Enclosure

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

Exhibit "A"

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☐

OTHER

2. NAME OF OPERATOR:

El Paso Production Oil & Gas Company

3. ADDRESS OF OPERATOR:

9 Greenway Plaza

CITY

Houston

STATE

TX

ZIP 77064-0995

PHONE NUMBER:

(832) 676-5933

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operator change to Westport Oil and Gas Company, L.P., 1670 Broadway, Suite 2800, Denver, CO. 80202-4800, effective December 17, 2002.

BOND # _____

State Surety Bond No. RLB0005236
Fee Bond No. RLB0005238

EL PASO PRODUCTION OIL & GAS COMPANY

By:

Jon R. Nelsen, Attorney-in-Fact

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

WESTPORT OIL AND GAS COMPANY, L.P.

NAME (PLEASE PRINT)

David R. Dix

TITLE

Agent and Attorney-in-Fact

SIGNATURE

DATE

12/17/02

(This space for State use only)

Form 3160-5
(August 1999)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

*Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.*FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.

SEE ATTACHED EXHIBIT "A"

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WESTPORT OIL & GAS COMPANY, L.P.

3a. Address

P.O. BOX 1148 VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7023

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED EXHIBIT "A"

8. Well Name and No.

SEE ATTACHED EXHIBIT "A"

9. API Well No.

SEE ATTACHED EXHIBIT "A"

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	SUCCESSOR OF
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	OPERATOR

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompletes horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed when testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator determined that the site is ready for final inspection.

WESTPORT OIL & GAS COMPANY, L.P., IS CONSIDERED TO BE THE OPERATOR ON THE ATTACHED DESCRIBED LANDS AND IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR THE OPERATIONS CONDUCTED ON THE LEASED LANDS OR PORTIONS THEREOF, BOND COVERAGE FOR THIS WELL IS PROVIDED BY FEDERAL NATIONWIDE BOND NO. 158626364, EFFECTIVE FEBRUARY 1, 2002, AND BIA NATIONWIDE BOND NO. RLB0005239, EFFECTIVE FEBRUARY 10, 2003.

RECEIVED

MAR 04 2003

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

CHERYL CAMERON

Title

OPERATIONS

Date

March 4, 2003

DIV. OF OIL, GAS & MINING

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

OPERATOR CHANGE WORKSHEET

1. GLH
2. CDW ✓
3. FILE

X Change of Operator (Well Sold)

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **12-17-02**

FROM: (Old Operator):	TO: (New Operator):
EL PASO PRODUCTION OIL & GAS COMPANY	WESTPORT OIL & GAS COMPANY LP
Address: 9 GREENWAY PLAZA	Address: P O BOX 1148
HOUSTON, TX 77064-0995	VERNAL, UT 84078
Phone: 1-(832)-676-5933	Phone: 1-(435)-781-7023
Account No. N1845	Account No. N2115

CA No.

Unit:

WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
KENNEDY WASH ST 16-1	16-08S-23E	43-047-33589	12871	STATE	GW	P
PTS FED 23-17 SAND RIDGE	17-08S-23E	43-047-30623	6126	FEDERAL	GW	S
KENNEDY WASH FED 19-1	19-08S-23E	43-047-33749	99999	FEDERAL	GW	APD
KENNEDY WASH FED 21-1	21-08S-23E	43-047-33870	99999	FEDERAL	GW	APD
KENNEDY WASH FED 23-1	23-08S-23E	43-047-33748	99999	FEDERAL	GW	APD
UTD KIDD 20-16	20-09S-18E	43-047-32568	11727	FEDERAL	OW	P
KURIP 1 27 (CR-168)	01-09S-20E	43-047-30962	165	INDIAN	GW	P
KURIP 1-167	01-09S-20E	43-047-33974	99999	INDIAN	GW	APD
KURIP 1-227	01-09S-20E	43-047-34738	99999	INDIAN	GW	APD
ARCHEE 1-117 (CR-168)	01-09S-20E	43-047-33388	13031	INDIAN	GW	P
ARCHEE 1-118	01-09S-20E	43-047-33400	99999	INDIAN	GW	APD
KURIP 1-116 (CR-168)	01-09S-20E	43-047-33407	12908	FEDERAL	GW	P
ARCHEE 1-201	01-09S-20E	43-047-34822	99999	INDIAN	GW	APD
ARCHEE 1-202 (CR-168)	01-09S-20E	43-047-34523	13466	INDIAN	GW	P
ARCHEE 1-228	01-09S-20E	43-047-34737	99999	INDIAN	GW	APD
BAYLESS STATE 2-1	02-09S-20E	43-047-34540	13473	STATE	GW	DRL
TRIBAL 2-119	02-09S-20E	43-047-33389	99999	INDIAN	GW	APD
TRIBAL 2-168	02-09S-20E	43-047-34120	99999	INDIAN	GW	APD
UTE TRIBAL 2-169	02-09S-20E	43-047-33977	99999	INDIAN	GW	APD
POST 3 24	03-09S-20E	43-047-30804	150	INDIAN	GW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 02/28/2003
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 03/04/2003
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 03/06/2003
4. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
5. If **NO**, the operator was contacted on: _____

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM-12/31/2003 BIA-12/5/02

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 02/27/2003

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: 01/09/2003

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 03/26/2003
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 03/26/2003
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: RLB 0005236

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 158626364

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: RLB 0005239

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB 0005238
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
MULTIPLE WELLS- SEE ATTACHED

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
MULTIPLE WELLS- SEE ATTACHED

8. Well Name and No.

MULTIPLE WELLS- SEE ATTACHED

9. API Well No.

MULTIPLE WELLS- SEE ATTACHED

10. Field and Pool, or Exploratory Area

MULLIGAN

11. County or Parish, State

UINTAH COUNTY, UTAH

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WESTPORT OIL & GAS COMPANY, L.P.

3a. Address

1368 SOUTH 1200 EAST, VERNAL, UTAH 84078

3b. Phone No. (include area code)

435-781-7060

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

MULTIPLE WELLS- SEE ATTACHED

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other VARIANCE
	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Westport Oil & Gas requests a variance to Onshore Order No. 4, Part III C. a. requiring each sales tank be equipped with a pressure- vacuum thief hatch and/or vent line valve. The variance is requested as an economic analysis shows the value of the shrunk condensate will not payout the incremental cost of purchasing and maintaining the valve resulting in a loss of value over the producing life of the well.

The volume lost to shrinkage by dropping the tank pressure from 6 ozs. To 0 psig is shown to be 0.3% of the tank volume. This was determined by lab analysis of a representative sample from the field. The sample shrunk from 98.82% of original volume to 98.52% when the pressure was dropped. The average well produces approximately 6 bbls condensate per month. The resulting shrinkage would amount to 0.56 bbls per month lost volume due to shrinkage. The value of the shrunk and lost condensate does not recoup or payout the cost of installing and maintaining the valves and other devices that hold the positive tank pressure. An economic run based on the loss and costs is attached. Westport Oil & Gas requests approval of this variance in order to increase the value of the well to the operator and the mineral royalty owners.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

DEBRA DOMENICI

Title

ENVIRONMENTAL ASSISTANT

Signature

Debra Domenici

Date

July 9, 2004

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

**Federal Approval Of This
Action Is Necessary**

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

COPY SENT TO OPERATOR

Date:

Initials:

**7-16-04
CND**

By:

RECEIVED

JUL 14 2004

ALL WELLS ROCKY MOUNTAIN GAS- KENNEDY WASH ENARDO VARIANCE

WELL	LEGALS	STF LEASE NO	CA NUMBER	API NO
KENNEDY WASH FED 03-1	NWSE SEC 3, T8S, R23E	UTU76830		4304733663
KENNEDY WASH FED 11-1	NWSE SEC 11, T8S, R23E	UTU78228		4304733666
KENNEDY WASH FED 13-1	NENE SEC 13, T8S, R22E	UTU73685		4304733615
KENNEDY WASH FED 14-1	NWSW SEC 14, T8S, R23E	UTU71424		4304733667
MULLIGAN FEDERAL 8-1	NWSE S8 T8S R23E	UTU 73020	UTU80643X	4304733614
SAND RIDGE FED 23-17	NESW SEC 17, T8S, R23E	UTU0143276	UTU0143276	4304730623

Westport Oil & Gas, L.P.

Project Economics Worksheet

Instructions:

Fill in blue boxed areas with before and after project data. The evaluation results are shown below and graphed automatically at the bottom of the page. This sheet is protected to prevent accidental alteration of the formulas. See JTC for changes. OPX entered as annual costs and/or as unit OPX costs for \$/BF and \$/MCF

Project Name:

Condensate Shrinkage Economics

Is this job a well pull or production rig job ??? ☐ N (Y or N)

	BEFORE \$/Year	AFTER \$/Year	DIFFERENCE \$/Year
Gross Oil Revenue	\$1,088	\$1,099	\$11
Gross Gas Revenue	\$0	\$0	\$0
NGL Revenue	\$0	\$0	\$0
PULING UNIT SERVICE			\$0
WIRELINE SERVICE			\$0
SUBSURF EQUIP REPAIRS			\$0
COMPANY LABOR			\$0
CONTRACT LABOR	\$0	\$200	\$200
CONTR SERVICE			\$0
LEASE FUEL GAS	\$0	\$0	\$0
UTILITIES - ELECTRICITY	\$0	\$0	\$0
CHEMICAL TREATING			\$0
MATERIAL & SUPPLY	\$0	\$150	\$150
WATER & HAULING			\$0
ADMINISTRATIVE COSTS			\$0
GAS PLANT PROCESSING			\$0
Totals	\$0	\$350	\$350

Increased OPX Per Year

Investment Breakdown:

	Cap/Exp Code	Cost, \$
Capital \$	820/830/840	\$1,200
Expense \$	830/840	\$0
Total \$		\$1,200

Oil Price	\$ 23.00	\$/BO
Gas Price	\$ 3.10	\$/MCF
Electric Cost	\$ -	\$/ HP / day
OPX/BF	\$ 2.00	\$/BF
OPX/MCF	\$ 0.62	\$/MCF

Production & OPX Detail:

	Before		After		Difference
Oil Production	0.192	BOPD	0.194	BOPD	0.002
Gas Production	0	MCFPD	0	MCFPD	0
Wtr Production	0	BWPD	0	BWPD	0
Horse Power		HP		HP	0
Fuel Gas Burned		MCFPD		MCFPD	0

Project Life:

Life = 20.0 Years
(Life no longer than 20 years)

Internal Rate of Return:

After Tax IROR = #DIV/0!

AT Cum Cashflow:

Operating Cashflow = (\$2,917) (Discounted @ 10%)

Payout Calculation:

Payout = $\frac{\text{Total Investment}}{\text{Sum(OPX + Incremental Revenue)}}$ = 1

Payout occurs when total AT cashflow equals investment
See graph below, note years when cashflow reaches zero

Payout = NEVER Years or #VALUE! Days

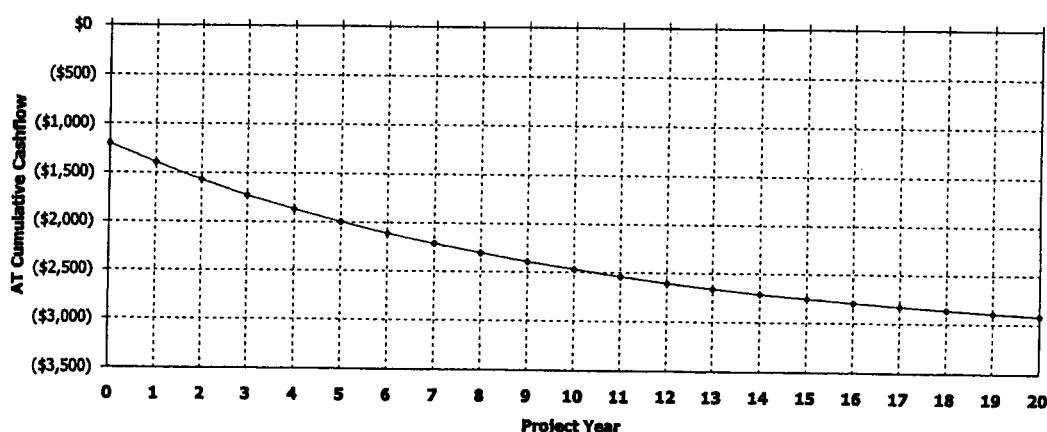
Gross Reserves:

Oil Reserves = 6 BO
Gas Reserves = 0 MCF
Gas Equiv Reserves = 38 MCFE

Notes/Assumptions:

An average NBU well produces 0.192 Bopd with no tank pressure. The production is increased to 0.194 Bopd if 4 ozs of pressure are placed on the tank. The increased production does not payout the valve cost or the estimated annual maintenance costs.

Project: Condensate Shrinkage Economics



Westport Oil and Gas, Inc.
NBU/Ouray Field
RFL 2003-022

COMPARISON OF FLASH BACK PRESSURES

Calculated by Characterized Equation-of-State

Flash Conditions		Gas/Oil Ratio (scf/STbbl) (A)	Specific Gravity of Flashed Gas (Air=1.000)	Separator Volume Factor (B)	Separator Volume Percent (C)
psig	°F				

Calculated at Laboratory Flash Conditions

80	70			1.019	
0	122	30.4	0.993	1.033	101.37%
0	60	0.0	—	1.000	98.14%

Calculated Flash with Backpressure using Tuned EOS

80	70			1.015	
6.0 oz	65	24.6	0.777	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
4.0 oz	65	24.7	0.778	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
2.0 oz	65	24.7	0.779	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
0	65	24.8	0.780	1.003	98.82%
0	60	0.0	—	1.000	98.52%

(A) Cubic Feet of gas at 14.696 psia and 60 °F per Barrel of Stock Tank Oil at 60 °F.

(B) Barrels of oil at indicated pressure and temperature per Barrel of Stock Tank Oil at 60 °F.

(C) Oil volume at indicated pressure and temperature as a percentage of original saturated oil volume.

Note: Bubblepoint of sample in original sample container was 80 psig at 70° F with 1 cc water

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WESTPORT OIL & GAS COMPANY L.P.

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED

5. Lease Serial No.

SEE ATTACHED

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

SEE ATTACHED

9. API Well No.

SEE ATTACHED

10. Field and Pool, or Exploratory Area

VARIOUS

11. County or Parish, State

UINTAH, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input checked="" type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE OPERATOR REQUESTS AUTHORIZATION TO PLACE THE SUBJECT WELL LOCATIONS ON TEMPORARILY ABANDONMENT STATUS, UNTIL SUCH TIME THE WELL LOCATIONS CAN BE PLUGGED AND ABANDON.

PLEASE REFER TO THE ATTACHED LIST OF PROPOSED PLUG AND ABANDONMENTS FOR THE NEXT 5 YEARS.

COPY SENT TO OPERATOR

Date: 8-24-04
Initials: CVO

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 8/29/2004

BY: [Signature]

* See Conditions of Approval (Attached)
Federal Approval of This
Action Is Necessary

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Sheila Upchegg

Signature

Title

Regulatory Analyst

Date

May 25, 2004

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

JUN 03 2004

DIV. OF OIL, GAS & MINING

Proposed 2007 P&A's - 15 Wells

30494	CIGE 035	1-10-20 NESW	UTU-02270A
30542	CIGE 066	23-10-21 SENW	UTU-02278A
30952	CIGE 073D	5-10-22 SWSW	UTU-01191A
30953	CIGE 074D	6-10-22 NWSE	UTU-01195
31915	CIGE 114	34-9-21 NESE	U-01194A
34436	CIGE 282	7-10-22 NENE	ML-23609
30962	KURIP 01-027	1-9-20 NENW	14-20-H62-3004
30848	NBU 043	26-10-20 NWSE	UTU-4476
30534	NBU 047N2	30-10-22 SESW	UTU-0132568A
31250	NBU 087J	3-10-22 NESW	UTU-01191A
31923	NBU 114	5-10-21 SWSW	UTU-01393D
31982	NBU 149	5-10-22 NESE	UTU-01191
31992	NBU 150	9-10-22 SENW	UTU-01196B
32234	NBU 188	10-10-22 SWSW	U-01196C
33692	WONSITS FEDERAL 01-05	5-8-22 LOT 5	UTU-72633

Proposed 2008 P&A's - 11 wells

32401	NBU 213	15-10-22 NWNW	UTU-025187
32480	NBU 217	28-9-21 NESW	U-05678
32944	NBU 242	5-10-22 SWSE	UTU-01191
32917	NBU 253	10-9-21 SWNW	U-0141315
32929	NBU 262	33-9-21 NENE	UTU-0576
33011	NBU 278	30-9-22 SWSW	U-463
32976	NBU 285	3-10-22 NWNW	UTU-01191
32886	NBU 296 GR	24-10-20 NWNE	UTU-4485
33776	NBU 364	29-9-21 SESE	UTU-0581
30838	NBU 58N2	27-10-22 NENW	U-473
31327	NBU 98-V	34-9-21 SWSW	U-01194-A

69 total wells

API #	WELL NAME	S-T-R	LEASE NUMBERS
43-047-			

Proposed 2004 P&A's - 13 Wells

31900	EAST GUSHER 15-1A	15-6-20 NENE	UTU-58007
30423	JACK RABBIT 1-11	11-10-23 SWNE	UTU-38425
32540	SOUTHMAN CANYON 09-03M	9-10-23 SWSW	UTU-37355
32543	SOUTHMAN CANYON 31-01-L	31-9-23 NWSW	UTU-33433
31100	NBU 070N3	3-10-22 SWNW	UTU-01191
30221	NBU 018	10-10-22 SWNE	UTU-025187
20280	WALKER HOLLOW U MCLISH 1	8-7-23 SWSW.	UTU-02651
30011	WALKER HOLLOW U MCLISH 2	8-7-23 SWSE	UTU-02651
30030	WALKER HOLLOW U MCLISH 4	8-7-23 NESW	UTU-02651
31034	WALKER HOLLOW UNIT 6	8-7-23 SESE	UTU-02651
30027	WALKER HOLLOW U MCLISH 3	8-7-23 NESE	UTU-02651
31092	WALKER HOLLOW UNIT J-8	8-7-23 NWSE	UTU-02651
31975	NBU 153	11-10-22 SWNW	U-01197A

Proposed 2005 P&A's - 15 Wells

31833	BASER DRAW 5-1	5-7-22 NWNW	UTU-075939
31834	BASER DRAW 6-1	6-7-22 NWNW	UTU-075939
31859	BASER DRAW FEDERAL 6-2	6-7-22 SWNE	UTU-075939
31304	COORS FEDERAL 14-1D	14-7-21 NWNW	UTU-65223
32009	COORS FEDERAL 2-10HB	10-7-21 NWNW	UTU-6522
30753	DM ICE FRIDAY 34-22	34-8-20 NESE	14-20-H62-2997
32333	FEDERAL 11-1-M	11-6-20 SWSW	UTU-64376
33831	HORSESHOE BEND FED 03-1	3-7-21 NWSE	UTU-0142175
33832	HORSESHOE BEND FED 04-1	4-7-21 NWSE	UTU-66401
33872	HORSESHOE BEND FED 26-3	26-6-21 NWSW	UTU-38401
33667	KENNEDY WASH FED 14-1	14-8-23 NWSW	UTU-71424
30623	SAND RIDGE FED 23-17	17-8-23 NESW	UTU-0143276
31508	STIRRUP FEDERAL 29-2	29-6-21 NWSE	UTU-46699
31634	STIRRUP FEDERAL 29-3	29-6-21 SESE	UTU-78854
30815	WEST WALKER FED. 1-33	33-6-22 NWSW	UTU-38411

Proposed 2006 P&A's - 15 Wells

30524	BITTER CREEK 01-03	3-11-22 SWNE	UTU-29797
30379	CANYON VIEW FEDERAL 1-18	18-10-23 SENW	UTU-38421
30369	CROOKED CYN FED 1-17	17-10-23 NENW	UTU-37355
31778	E BENCH UNIT #1	33-11-22 NWSE	UT-121P
30365	FLAT MESA FED. 1-7	7-10-23 NWSE	UTU-38420
30544	LOOKOUT POINT STATE 1-16	16-10-23 NESE	ML-221886A
30766	LOVE UNIT B2-3	3-11-21 SWSW	UTU-8347
30560	NSO FEDERAL 1-12	12-10-23 NENW	UTU-38423
30558	PETE'S FLAT 1-1	1-10-23 NESE	UTU-40736
30382	SAGE HEN FEDERAL 1-6	6-10-23 NESE	UTU-38419
30383	SAGEBRUSH FEDERAL 1-8	8-10-23 SWNE	UTU-37355
30856	SOUTHMAN CANYON 01-05 FED	5-10-23 SENW	UTU-33433
30632	SOUTHMAN CANYON 4-4	4-10-23 NWSE	UTU-33433
30481	WHITE RIVER 1-14	14-10-23 NENW	UTU-38427
31775	WILLOW CREEK UNIT #1	27-11-20 SENE	UT-128P

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WESTPORT OIL & GAS COMPANY L.P.

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NESW SECTION 17-T8S-R23E 1980'FSL & 2031'FWL

5. Lease Serial No.

UTU-0143276

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

SAND RIDGE FED 23-17

9. API Well No.

43-047-30623

10. Field and Pool, or Exploratory Area

WILDCAT

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE OPERATOR REQUESTS AUTHROIZATION TO PLUG AND ABANDON THE SUBJECT WELL LOCATION. THE WELL HAS BEEN SHUT IN AND TEMPORARILY ABANDON. THE OPERATOR HAS REVIEWED AND CONFIRMED THAT THE PRODUCTIVE ZONES ARE DEPLETED. THERE IS NO ADDITIONAL DOWNHOLE POTENTIAL.

PLEASE REFER TO THE ATTACHED PLUG AND ABANDON PROCEDURE.

COPY SENT TO OPERATOR

Date: 10-11-05

Initials: CMO

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Sheila Upchego

Title

Regulatory Analyst

Date

September 26, 2005

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Federal Approval Of This
Action Is Necessary

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Accepted by the
Utah Division of
Oil, Gas and Mining

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within the jurisdiction

(Instructions on reverse)

By:

RECEIVED

OCT 03 2005

U. DIV. OF OIL, GAS & MINING



State of Utah

Department of
Natural Resources

Division of
Oil, Gas & Mining

ROBERT L. MORGAN
Executive Director

LOWELL P. BRAXTON
Division Director

MICHAEL O. LEAVITT
Governor

OLENE S. WALKER
Lieutenant Governor

CONDITIONS OF APPROVAL TO EXTEND SI/TA OF WELL

Well Name and Number:	Several State and Federal wells
API Number:	See Sundry List
Operator:	Westport Oil and Gas Company L.P.
Reference Document:	Original Sundry dated May 25, 2004, received by DOGM on June 3, 2004

The Division of Oil, Gas and Mining (DOGM) accepts Westport's plan of action to Plug and Abandon sixty-nine wells by year-end 2008. Based upon the plan of action DOGM approves these-sixty-nine (69) wells for extended shut-in until September 1, 2005.

Approval Conditions (Federal Approval necessary on all Federal/Indian wells):

1. If SI/TA is desired beyond the approval date listed above, the operator should submit a request for extended SI/TA at that time. Adherence to the accepted plan of action, wellbore conditions etc. will be taken into consideration.
2. A well monitoring program should be in place to ensure that health, safety and the environment are all protected (wellbore integrity).
3. Any changes in wellbore conditions or integrity; or sustained pressure on casing/casing annuli shall be reported to the Division immediately. A new monitoring program or remedial action may be necessary at that time.

Dustin K. Doucet
Petroleum Engineer

August 20, 2004

Date

SAND RIDGE FEDERAL 23-17
1980' FSL & 1981' FWL
NESW – Sec. 17 – T8S – R23E
Uintah County, UT

KBE: 5387'
GLE: 5372'
TD: 10012'
PBTD: 7500'

API NUMBER: 43-047-30623
LEASE NUMBER: U-0143276
WI: 100%
NRI: 80%
ORRI: 0%
UNIT/CA #:

CASING: 17.5" hole
13.375" 48# @ 206'
Cemented with 250 sx. Class G (289 cuft). TOC @ surface by calculation.

12.25" hole
9.625" 36/40/43.5/53.5# @ 2512'
Cemented with 1000 sx. Pozmix lead (~1300 cuft est.), 350 sx. Class G tail (403 cuft). TOC @ surface by calculation (~100% excess was pumped).

7.875" hole
5.5" 17# & 20# K-55 & N-80 @ 10012'
Cemented with 1500 sx. RFC (~1725 cuft est.). TOC @ ~930' by calculation.

Note: Casing details are not available in the files. Assumed the lightest weight and lowest grade of casing for calculations.

TUBING: 2.375" 4.7# J-55 landed @ 7146', SN @ 7112'.

Tubular	Drift inches	Collapse psi	Burst Psi	Capacities		
				Gal./ft.	Cuft./ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1626	0.02173	0.00387
5.5" 17# J/K-55 csg.	4.892	4910	5320	0.9764	0.1305	0.02324
9.625" 36# K-55 csg	8.765	2020	3520	3.2470	0.4340	0.0773
Annular Capacities						
2.375" tbg. X 5.5" 17# csg.				0.7462	0.0997	0.01776
5.5" csg. X 9.625" 36# csg.				2.0118	0.2691	0.0479
9.625" csg. X 13.375" 48# csg				2.8182	0.3766	0.0671
5.5" csg. X 7.875" hole				1.2978	0.1733	0.0309
9.625" csg. X 12.25" hole				2.3436	0.3132	0.0558
13.375" X 17.5" hole				5.1954	0.6946	0.1237

PERFORATIONS:

Formation	Date	Top	Bottom	SPF	Status
Wasatch	11/17/2000	7180	7190	4	Open
Mesa Verde		8260	8268	1	Excl. CIBP
Mesa Verde		8426	8434	1	Excl. CIBP
Mesa Verde		8488	8496	1	Excl. CIBP
Mesa Verde		9370	9376	1	Excl. CIBP
Mesa Verde		9422	9428	1	Excl. CIBP
Mesa Verde		9444	9454	1	Excl. CIBP
Mesa Verde		9868	9874	1	Excl. CIBP
Mesa Verde		9878	9884	1	Excl. CIBP
Mesa Verde		9924	9930	1	Excl. CIBP

GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Green River	1710'
Wasatch	6020'
Mesa Verde	8450'

Tech. Pub. #92 Base of USDW's

USDW Elevation	~4500' MSL
USDW Depth	~3087' KBE

WELL HISTORY:**Completion – June 1980**

- TD'd on 4/10/1980.
- Perforated the gross **Mesa Verde** interval 9868' through 9930'. Acidized with 1500 gal. 7.5% HCl. No test results listed. Set CIBP at 9850' with 5 sx.
- Perforated the gross **Mesa Verde** interval 9370' through 9450'. Acidized with 2000 gal. 7.5% HCl, swabbed load and tested ~30 MCFD. Set CIBP at 9350' with 5 sx.
- Perforated the gross **Mesa Verde** interval 8260' through 8496'. Acidized with 1500 gal. 7.5% HCl. No test results listed.
- Tested 227 MCFD, 50 psi FTP, 24/64th choke on 6/22/1980. Well was suspended.

Workover #1 – July 1995

- Isolated the gross interval 8426' through 8496' and fractured with 37900 gal. gel containing 85800# 20/40 mesh sand.
- Isolated the interval 8260-8268' and fractured with 32279 gal. gel containing 67300# 20/40 mesh sand.
- Landed 2.875" tubing at 8485'. No test results reported.

Workover #2 – November 2000

- Set a CIBP at 7500' with 1 sx. on top.

- Perforated the **Wasatch** interval 7180-7190' and fractured with 998 bbl. gel containing 86360# 20/40 sand.
- Cleaned out to ~7500' and landed tubing at 7146'.
- Tested 293 MCFD, 38 BWPD, 350 psi FTP, 650 psi SICP on 12/1/2000.

REMARKS:

- No logs and only minimal well file in Vernal. Had to go to the BLM to copy records for well construction and completion.
 - **This well appears to have no value. Have Geology confirm no remaining potential.**
 - 2005 P&A.
-

SAND RIDGE FEDERAL 23-17 P&A PROCEDURE

GENERAL

- H₂S MAY BE PRESENT. CHECK FOR H₂S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- BRINE WITH A MINIMUM DENSITY OF AT LEAST 9 PPG MUST BE PLACED BETWEEN ALL PLUGS. 10 PPG IS ASSUMED IN THIS PROCEDURE.
- NOTIFY THE BLM AT 435-781-4400 24 HOURS BEFORE MOVING ON LOCATION.

P&A PROCEDURE

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. TOH WITH TUBING. RU WIRELINE AND MAKE A GAUGE RING RUN TO ~7200'.
3. **PLUG #1, PERFORATIONS (TOP PERF @ 7180')**: RIH & SET A CIPB @ ~7175'. SPOT 50' (~6 SX OR ~6.53 CUFT.) OF CEMENT ON TOP. DISPLACE WELL WITH 10 PPG BRINE.
4. **PLUG #2, WASATCH TOP (~6020')**: RIH & SPOT A BALANCED CEMENT PLUG F/ ~6120' - ~5920' USING ~23 SX. (~26.1 CUFT.) CLASS G CEMENT. DISPLACE WELL WITH 10 PPG BRINE.
5. **PLUG #3, BASE OF USDW'S (~3087')**: RIH & SPOT A BALANCED CEMENT PLUG F/ ~3187' - ~2987' USING ~23 SX. (~26.1 CUFT.) CLASS G CEMENT. DISPLACE WELL WITH 10 PPG BRINE.
6. **PLUG #4, GREEN RIVER TOP (~1710')**: SPOT A BALANCED CEMENT PLUG FROM ~1810' - ~1610' USING ~23 SX (~26.1 CUFT.) CLASS G CEMENT. DISPLACE WELL WITH 10 PPG BRINE.
7. **PLUG #5, 5 1/2" CASING STUB & SURFACE**: CUT 5 1/2" CSG @ ~300'. SPOT 50' OF CEMENT INSIDE 5 1/2" CSG STUB & 5 1/2" X 9 5/8" CSG ANNULUS USING ~17 SX (~19.99 CUFT.) OF CLASS G CEMENT. FILL 9 5/8" CSG FROM 300' TO SURFACE WITH ~114 SX (~130.2 CUFT.) CEMENT.
8. CUT OFF WELLHEAD AND INSTALL MARKER PER BLM GUIDELINES.
9. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

5. Lease Serial No.
UTU-0143276

1a. Type of Well ☐ Oil Well ☒ Gas ☐ Dry ☐ Other
b. Type of Completion: ☐ New ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other PLUG AND ABANDON

2. Name of Operator

WESTPORT OIL & GAS COMPANY L.P.

3. Address

1368 SOUTH 1200 EAST VERNAL, UTAH 84078

3a. Phone No. (include area code)

(435)-781-7024

4. Location of Well (Report locations clearly and in accordance with Federal requirements)*

At surface

NESW 1980'FSL & ¹⁹⁸¹~~2031~~'FWL

At top prod. interval reported below

At total depth

14. Date Spudded

15. Date T.D. Reached

16. Date Completed

☒ D & A ☐ Ready to Prod.

02/09/06

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

SAND RIDGE FED 23-17

9. API Well No.

43-047-30623

10. Field and Pool, or Exploratory

WILDCAT

11. Sec., T., R., M., or Block and
Survey or Area SEC 17-T8S-R23E

12. County or Parish

UINTAH

13. State

UTAH

17. Elevations (DF, RKB, RT, GL)*

N/A

18. Total Depth: MD
TVD

19. Plug Back T.D.: MD
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

N/A

22. Was well cored? ☒ No ☐ Yes (Submit copy)
Was DST run? ☒ No ☐ Yes (Submit copy)
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) N/A			N/A			
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and type of Material

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	PLUG AND ABANDON

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	

(See instructions and spaces for additional data on reverse side)

RECEIVED

FEB 21 2006

DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

PLUG AND ABANDON ON 2/9/06

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
N/A					

32. Additional remarks (include plugging procedure):

2/9/06: MIRU P&A EQUIP. NDWH NUBOP TOH/TBG & SET CICR @7152' ROLL HOLE. MIX & PMP 10 SX TOH TO 6115' MIX & PMP 25 SX TOC @5891'. TOH TO 3182' MIX & PMP 225 SX TOC @2272' TOH RU AND CUT OFF CSG @272' LD TIH/TBG TO 280. MIX & PMP 162 SX TOH/WOC TOP OFF W/62 SX PER BLM. GOOD CMT TO SURFACE. CUT OFF WELL HEAD WELD ON PLATE. RDMO. **THE SUBJECT WELL LOCATION WAS PLUG AND ABANDON ON 2/9/06.**

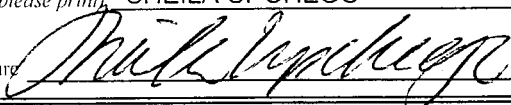
33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 5. Core Analysis | 7. Other: | |

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) SHEILA UPCHEGOTitle REGULATORY ANALYST

Signature


Date 2/16/2006

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WESTPORT OIL & GAS COMPANY L.P.

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NESW SECTION 17-T8S-R23E 1980'FSL & 2031'FWL

5. Lease Serial No.

UTU-0143276

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

SAND RIDGE FED 23-17

9. API Well No.

43-047-30623

10. Field and Pool, or Exploratory Area

WILDCAT

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

2/9/06: MIRU P&A EQUIP. NDWH NUBOP TOH/TBG & SET CICR @7152' ROLL HOLE MIX & PMP 10 SX TOH TO 6115' MIX & PMP 25 SX TOC @5891'. TOH TO 3182' MIX & PMP 225 SX TOC @2272' TOH RU AND CUT OFF CSG @272' LD TIH/TBG TO 280' MIX & PMP 162 SX TOH/WOC TOP OFF W/62 SX PER BLM. GOOD CMT TO SURFACE. CUT OFF WELL HEAD WELD ON PLATE. RDMO.

THE SUBJECT WELL LOCATION WAS PLUG AND ABANDON ON 2/9/06.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Sheila Upchego

Title

Regulatory Analyst

Date

February 16, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED
FEB 21 2006
DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ

2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

1/6/2006

FROM: (Old Operator):

N2115-Westport Oil & Gas Co., LP
 1368 South 1200 East
 Vernal, UT 84078
 Phone: 1-(435) 781-7024

TO: (New Operator):

N2995-Kerr-McGee Oil & Gas Onshore, LP
 1368 South 1200 East
 Vernal, UT 84078
 Phone: 1-(435) 781-7024

CA No.			Unit:		MULLIGAN UNIT			
WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- b. If **NO**, the operator was contacted on: _____
- a. (R649-9-2) Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
- c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet
- Federal and Indian Units:**
 The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006
- Federal and Indian Communization Agreements ("CA"):**
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: _____

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 5/15/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 5/15/2006
- Bond information entered in RBDMS on: 5/15/2006
- Fee/State wells attached to bond in RBDMS on: 5/16/2006
- Injection Projects to new operator in RBDMS on: _____
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: CO1203
- Indian well(s) covered by Bond Number: RLB0005239
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG
- The Division sent response by letter on: _____

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

COMMENTS:

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING	
1. DJJ	
2. CDW	

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:		1/6/2006
FROM: (Old Operator): N2115-Westport Oil & Gas Co., LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024		TO: (New Operator): N2995-Kerr-McGee Oil & Gas Onshore, LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024

CA No.				Unit:		MULLIGAN UNIT				
WELL NAME			SEC TWN RNG		API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
FEDERAL 23-17			17	080S	230E	4304730623	6126	Federal	GW	PA
MULLIGAN FED 8-1			08	080S	230E	4304733614	12917	Federal	GW	P
KENNEDY WASH 3-1			03	080S	230E	4304733663	12929	Federal	GW	P
KENNEDY WASH 11-1			11	080S	230E	4304733666	12988	Federal	GW	P
KENNEDY WASH 14-1			14	080S	230E	4304733667	13028	Federal	GW	PA
MULLIGAN FED 823-19P			19	080S	230E	4304735734	14444	Federal	GW	P
MULLIGAN 822-13G			13	080S	220E	4304736556		Federal	GW	APD
MULLIGAN 823-18E			18	080S	230E	4304736557		Federal	GW	APD
MULLIGAN 822-24H			24	080S	220E	4304737077		Federal	GW	APD
MULLIGAN 822-24G			24	080S	220E	4304737078	15155	Federal	GW	P
KENNEDY WASH 16-1			16	080S	230E	4304733589	12871	State	GW	PA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006.
KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

RECEIVED

MAY 10 2006

DIV. OF OIL, GAS & MINING

BLM BOND = C01203

BIA BOND = RLB0005237

APPROVED 5/16/06

Earlene Russell

Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

RANDY BAYNE

Title

DRILLING MANAGER

Signature

Date

May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.

MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WESTPORT OIL & GAS COMPANY L.P.

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

APPROVED 5/16/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED
MAY 10 2006

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

BRAD LANEY

Signature

Title

ENGINEERING SPECIALIST

Date

May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Brad Laney

Title

Date

5-9-06

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Colorado State Office
2850 Youngfield Street
Lakewood, Colorado 80215-7076

IN REPLY REFER TO:

CO922 (MM)
3106
COC017387 et. al.

March 23, 2006

NOTICE

Kerr-McGee Oil & Gas Onshore L.P. :
1999 Broadway, Suite 3700 : Oil & Gas
Denver, CO 80202 :

Merger/Name Change - Recognized

On February 28, 2006 this office received acceptable evidence of the following mergers and name conversion:

Kerr-McGee Oil & Gas Onshore L.P., a Delaware Limited Partnership, and Kerr-McGee Oil & Gas Onshore LLC, a Delaware Limited Partnership merger with and into Westport Oil and Gas Company L.P., a Delaware Limited Partnership, and subsequent Westport Oil & Gas Company L.P. name conversion to Kerr-McGee Oil & Gas Onshore L.P.

For our purposes the merger and name conversion was effective January 4, 2006, the date the Secretary of State of Delaware authenticated the mergers and name conversion.

Kerr-McGee Oil & Gas Onshore L.P. provided a list of oil and gas leases held by the merging parties with the request that the Bureau of Land Management change all their lease records from the named entities to the new entity, Kerr-McGee Oil & Gas Onshore L.P. In response to this request each state is asked to retrieve their own list of leases in the names of these entities from the Bureau of Land Management's (BLM) automated LR2000 data base.

The oil and gas lease files identified on the list provided by Kerr-McGee Oil & Gas Onshore L.P. have been updated as to the merger and name conversion. We have not abstracted the lease files to determine if the entities affected by the acceptance of these documents holds an interest in the lease, nor have we attempt to identify leases where the entity is the operator on the ground that maintains vested record title or operating rights interests. If additional documentation, for change of operator, is required you will be contacted directly by the appropriate Field Office. The Mineral Management Services (MMS) and other applicable BLM offices were notified of the merger with a copy of this notice

Please contact this office if you identify additional leases where the merging party maintains an interest, under our jurisdiction, and we will document the case files with a copy of this notice. If the leases are under the jurisdiction of another State Office that information will be forwarded to them for their action.

Three riders accompanied the merger/name conversion documents which will add Kerr-McGee Oil and Gas Onshore LLC as a principal to the 3 Kerr-McGee bonds maintained by the Wyoming State Office. These riders will be forward to them for their acceptance.

The Nationwide Oil & Gas Continental Casualty Company Bond #158626364 (BLM Bond #CO1203), maintained by the Colorado State Office, will remain in full force and effect until an assumption rider is accepted by the Wyoming State Office that conditions their Nationwide Safeco bond to accept all outstanding liability on the oil and gas leases attached to the Colorado bond.

If you have questions about this action you may call me at 303.239.3768.

/s/Martha L. Maxwell
Martha L. Maxwell
Land Law Examiner
Fluid Minerals Adjudication

Attachment:

List of OG Leases to each of the following offices:

MMS MRM, MS 357B-1

WY, UT, NM/OK/TX, MT/ND, WY State Offices

CO Field Offices

Wyoming State Office

Rider #1 to Bond WY2357

Rider #2 to Bond WY1865

Rider #3 to Bond WY1127



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>



IN REPLY REFER TO:
3106
(UT-922)

March 27, 2006

Memorandum

To: Vernal Field Office
From: Chief, Branch of Fluid Minerals
Subject: Merger Approval

Attached is an approved copy of the merger recognized by the Bureau of Land Management, Colorado State Office. We have updated our records to reflect the merger from Westport Oil and Gas Company L.P. into Kerr-McGee Onshore Oil and Gas Company. The merger was approved effective January 4, 2006.

Chief, Branch of
Fluid Minerals

Enclosure

Approval letter from BLM COSO (2 pp)

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare
Dave Mascarenas
Susan Bauman

RECEIVED

MAR 28 2006

ENV. OF OIL, GAS & MINES